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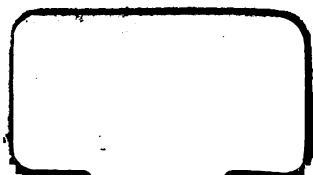
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State Board of Education  
of the  
State of Michigan

7th Biennial Report

JUNE 30, 1892 to JUNE 30,





SEVENTH BIENNIAL REPORT  
OF THE  
STATE BOARD OF EDUCATION  
OF THE  
STATE OF MICHIGAN

FROM  
JUNE 30, 1892, TO JUNE 30, 1894.



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BY AUTHORITY.

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LANSING:  
ROBERT SMITH & CO., STATE PRINTERS AND BINDERS  
1895



# REPORT.

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*To the Honorable, the Legislature of the State of Michigan:*

In accordance with the provisions of the law defining the duties of the State Board of Education, we hereby present to you the report of the board for the two years ending June 30, 1894.

Some changes in the school laws of the State, made by the last previous legislature, added to the duties and responsibilities of this board, among other things making more direct and complete its relation to the several colleges of the State which include in their purposes that of preparing students to teach. By the authority given in the law referred to, act No. 136, public acts of 1893, graduates of the colleges below named were given four year certificates to teach in any of the public schools of the State, these certificates, at the conclusion of four years' experience of the holders in teaching (three years of which shall be continuous), to be exchanged for life certificates issued by the State Board of Education. Such preliminary four year certificates were issued in September, 1894, to the following persons:

## OLIVET COLLEGE.

Hiram E. Archer,  
Reuben L. Breed,  
William C. Cadwallader,  
Arthur C. Cole,  
Lizzie M. Corey,  
Henry S. Curtis,  
Grace F. Ellis,  
Fred A. Harrington,  
Isabelle Hosie,  
Lula McBride,  
John D. Machay,  
John G. Monroe,  
Hattie E. Mills,  
Estelle M. Potter,  
Arthur L. Shaw,

Cecil Neilson,  
Abbie Shaw,  
Edith L. Spaulding,  
Viola B. Sharp,  
William R. Tuttle,  
Edith E. Tyler,  
Lewis D. Bryant,  
Wilhelmina Westrate,  
Ethelwyn Whalley,  
Herbert Williams,  
Edwin S. Wright,  
Florence G. Peck,  
Stephen D. Fry,  
Archie A. Swinton,  
Edwin Johnson, Jr.

## SEVENTH BIENNIAL REPORT OF THE

## ALBION COLLEGE.

Frank A. Bacon,  
 Arthur T. Camburn,  
 Grace A. Cogshall,  
 Burton A. Crampton,  
 Mae Bell Hunt,  
 Ella M. Sloat,  
 Henry B. Arnold,  
 Mary H. Garfield,

Vernon G. Marys,  
 Clarence M. Mulholland,  
 Clement E. Rood,  
 Arthur F. Shultz,  
 Effie E. Thrasha,  
 Royal B. May,  
 Newell Cook,  
 John E. Meally.

## HILLSDALE COLLEGE.

Bert F. Green,  
 Alice A. Lewis,  
 E. P. S. Miller,

Alice Dewey,  
 William H. Lewis.

## ADRIAN COLLEGE.

Frank Ewing,  
 Jessie P. Hopkins,  
 Charles H. Hubble,

William M. Leng,  
 Helen B. Thomas.

The following persons have received State certificates during the term covered by this report, from June 30, 1892, to June 30, 1894, as the result of successfully completing the full examination required by law:

Nina M. Stephens,  
 Lewis Terwilliger,  
 Robert D. Briggs,  
 W. C. Thompson,  
 P. J. Willson,  
 J. M. Tice,  
 E. A. Aseltine,  
 E. C. Hambleton,  
 T. B. Hartley,  
 G. L. Griswold,

H. R. Foster,  
 J. E. McDonald,  
 L. G. Palmer,  
 W. M. Coon,  
 E. McDonald,  
 F. W. French,  
 F. C. Penoyer,  
 L. L. Wright,  
 H. H. Barton.

Attendance upon examinations for these certificates has been increasing during the last two years, but the percentage of successful applicants has somewhat decreased. The statute under which such certificates are issued requires that the examination shall be sufficiently thorough to indicate good scholarship, liberal culture, and the necessary degrees of information, observation, and experience to insure worthiness on the part of the recipients of the honor and responsibility which a life State certificate indicates. It is not the purpose or wish of the board to add more to the requirements at examinations under its auspices than is practically necessary, nor to burden the applicants with work not directly anticipated by the high character of the certificate sought. The present interpretation of the requirements for such certificate seems to be satisfactory to the teachers of the State as well as to the board.

The last previous legislature, at the request of the board, repealed the law requiring the State Board of Education to appoint members of boards of visitors to the chartered schools of the State, and placed the appointment of such boards of visitors in the discretion of the State Superintendent of Public Instruction. No such appointments have been made since the repeal of the law referred to, and it is the announced policy of the Superintendent to appoint such visitors only when some purpose can be subserved or when some need for such official visit and report seems to exist.

#### STATE NORMAL SCHOOL.

It is with no small degree of satisfaction and pride that we present to your honorable body, and through you to the people of the State of Michigan, our report relative to the recent progress and present status of the Michigan State Normal School. Regarded, as it has been, by school men and practical educators of this and other countries during recent years as one of the leading and most valuable institutions of its kind for the training and teaching of teachers, it can yet be truthfully claimed that its progress during the last two years has been as great in degree and as valuable in kind as in any previous years of its most successful history.

With the closing of the school year of 1893, the term of service of Principal J. M. B. Sill came to a close. The years of Mr. Sill's connection with the school were years of continued and increasing success. He was an earnest, enthusiastic advocate of all that seemed to him best for the good of the school, and for all that pertained to the welfare and advancement of the interests of its students and the State. Principal Sill's present relation to our country as minister to Corea, indicates the high degree of appreciation in which he was held by the people of Michigan, and more particularly by those who have been favored with a nearer and more intimate knowledge of his enthusiasm and ability.

As successor to Principal Sill, the State Board of Education has been, we believe, most fortunate in securing the services of Dr. R. G. Boone, recently connected with the State University of Indiana. Doctor Boone has already attained national prominence as an educator and author of educational works, and comes to our State and to the Normal School splendidly equipped for the services required of him and for the further work of aiding and adding to the general duty of assisting in the development of the educational interests of our State. Dr. Boone's term of service as principal of the State Normal School commenced with the beginning of the school year of 1893, and his report as principal of the school up to the end of the school year of 1894 will be found attached to this report.

The last legislature appropriated \$20,000 for the building of a gymnasium and physical training department at the State Normal School. After thorough investigation as to the best means and methods for the making of such an expenditure, and after liberal donations to the appropriation granted from the citizens of Ypsilanti and from the faculty of the State Normal School, plans were accepted and a building was erected which the board believes will fully meet all the requirements of the school in that direction. The building consists of two departments, permitting the use of one exclusively by the young women, and the other exclusively by the young men. It is complete in all its arrangements and details, and is pro-



nounced by persons well informed to be a model department in every respect. The students of the school are making the best possible use of the opportunities thus afforded for normal training in the exercise and proper development of their bodies. Extremes are not encouraged or desired in such directions; but painstaking, persistent, and successful efforts are being made to send out from the State Normal School, through the use of this department, well trained and thoroughly informed teachers in the matter of the proper development of the body as well as of the mind.

The report of the treasurer of the board is elsewhere presented, together with the estimate of the board as to the appropriation required at your hands for the maintenance of the school during the coming two years. This estimate is based upon present necessary expenditures, and your honorable body can be assured that it will be true in the future, as it has been in the past, that no dollar will be expended for the State Normal School for which earnest effort will not be made to secure full and adequate return.

In closing this report we desire, in behalf of the faculty of the school, as well as for ourselves, to thank the people of the State through you for their generous disposition and constant interest in all that pertains to the welfare and upbuilding of the State Normal School. The knowledge and recognition of this widespread interest in the school, and the liberal manifestations of approval accorded, has had much to do with the efforts made by all connected with it for its advancement, and the successful performance of the work for which it is established; and we can assure you that this earnest effort thoroughly and well to perform its work will be as true of it in the future as it has been in the past. In the discharge of all our duties we have endeavored to do that which would result in benefit to the State in an educational way, and we hope and believe that we have merited the confidence and approval which we have heretofore received from your body and from the people of the State.

Very respectfully,

PERRY F. POWERS, *President.*

HENRY R. PATTENGILL, *Secretary.*

DAVID A. HAMMOND, *Treasurer.*

EUGENE A. WILSON.

## REPORT OF THE PRINCIPAL

FOR THE SCHOOL YEARS 1892-3, 1893-4.

*To the Honorable, The State Board of Education of Michigan:*

GENTLEMEN—In accordance with the provisions of the statutes, I have the honor to submit herewith the official biennial report of the Principal of the State Normal School for the academic years 1892 to 1894, inclusive.

Elected to the position late in August, 1893, I took formal charge of the school September 11 of that year. The usual entrance examinations began on the morning of the 12th. The faculty was the same as for the previous year, and remained unchanged with the exception of an assistant added in the department of drawing and geography for the second term. The courses of study also were continued without modification. Indeed, the purpose was faithfully adhered to throughout the year to follow the existing policy of the institution, until there should appear positive and urgent reasons for change. The results have, I am persuaded, in a general way justified the administration.

Obviously, it would be an easier task to report upon the work of the last year only, than upon that of two years, with one of which (1892-3) my only acquaintance must be derived from the records. The two years, however, belong together in the growth of the school as making a period of increased prosperity.

For the school year, 1891-2, the enrollment reached its highest mark, 1,002. The year following it was 937; and for the last year (1893-4), the full enrollment was 922. This was a decrease of fifteen from the previous year, and eighty less than for 1891-2. Nevertheless these were prosperous years for the school. The period was one of contraction of enterprise in many ways, in business and commercial interests as well. The decrease in school attendance here, though slight, was shared by most other educational institutions in our own and other states, and was due chiefly, perhaps, to the general economic depression to which schools are found to be peculiarly sensitive. The present prospect promises a larger attendance for 1894-5 than ever before.

Experience of a year in the school, however, gives point to the conviction that the management has no special cause to be solicitous about numbers. With the large attendance and limited room, the more careful selection of students and a further improvement of the quality of instruction and additions to the present excellent equipment, are needs that may well occupy the time and command the best thought of the board and the principal.

## CONDITIONS OF ADMISSION.

Nominally, the requirements for entrance have comprised heretofore a reasonable proficiency in arithmetic, English grammar, geography, elementary algebra and spelling. Practically, and for many years with sufficient reason, the examination was reduced in most cases to a test in the first two and the last.

The requirements of teachers for second grade certificates include more than this; the third grade as much, if algebra be excepted. It seems clear to the Normal School council, therefore, after much deliberation, that the scholastic attainments of applicants may, in the near future, be increased. The common schools of Michigan are well able to offer, and do offer, the added instruction. In a large part of the State, high schools are within reach of most persons who really care to prepare for teaching. Besides, the proportion of high school graduates to the total attendance is increasing yearly. The proposition was therefore recently submitted to your honorable body, and, being approved, will be hereafter enforced as a regulation of the school, that applicants for admission to the teacher's classes should be not less than sixteen years of age, and show, by examination or otherwise, satisfactory attainments in all the common branches, in elementary algebra, elementary physics, and in civil government. For the year 1894-5, some time will be allowed students to prepare for the examinations. Thereafter the preparatory work must have been completed before entrance upon the Normal School course.

## ADVANCED STANDING.

As heretofore has prevailed, and in accordance with your official action, the graduates of certain approved schools are admitted to our course with advanced standing. These persons now take regularly a teacher's certificate (valid in the State for five years), after a year of study; and a diploma entitling the holder thereof to a life license to teach, after two years of study. It is a matter of congratulation that these courses are growing yearly more popular. Teachers for whatever position have need of an abundant general culture. The professional training is sharpened and vitalized by a more liberal academic training. For this we must depend greatly upon the high schools.

There are grave reasons for thinking, however, that the time now required of such graduates in the Normal School is too short.

The one year course for these persons allows no time for any professional or academic study of secondary subjects, and only the most meagre pedagogical view of the elementary branches, with method work and teaching. Neither these students, nor those who enter the two year course leading to a life certificate, remain in the school long enough to acquire the teacher's view of school subjects and courses; or for an intelligent knowledge of their work and ability and aptitudes, on the part of the faculty who must stand responsible for their efficiency as teachers when they leave the school.

Moreover, those who come to us from the high schools are just the ones who might be expected to use the Normal School as a means of preparing for high school teaching. For this work they need more preparatory training than they get in the one or two years they now spend with us.

Of the last senior class of 147 members, 93, or 63 per cent, entered the

Normal as high school graduates. Of the same class, of 130 who were located as teachers before the September opening, 40, or 31 per cent, took positions for full or partial high school work.

It is believed, therefore, that it must soon come about that such graduates be required to spend a longer period than at present, three years perhaps, in preparation for a life license, and one and a half to two years for a certificate (valid as a teacher's license for five years).

Already the high schools themselves are moving in this direction. The strengthening of their own courses creates a new demand among teachers.

There is a growing respect among superintendents for professionally trained teachers for the highest positions.

Superintendents and principals of second and third class cities and towns are themselves taking advantage of opportunities for their own improvement.

The question is respectfully submitted to your honorable body for consideration. Then, at your convenience, if it be your pleasure, the formal recommendations of the council will be laid before you. In the event of a further raising of the standard for entrance of non-high school students, this requirement of graduates might be imposed without injustice to any.

Perhaps it would be wise to provide through a general publication, that after the academic year 1895-6, all applicants admitted on diploma from approved high schools will be required to earn, after their entrance, by examination or class work, credits amounting to 480 weeks, for a diploma (and life license), or 320 weeks for a certificate (and five year license).

#### THE CURRICULUM.

Next to the teaching, the factor of most importance in a system of schools is the course of study. What shall be taught? How much of it? When, and in what order? These are questions of vital significance in every school. In a school for teachers, what shall constitute the subject matter of instruction is in part determined by the nature of the institution. Obviously, there must be included some sort of view of the subjects comprised in the instruction for which the school is to prepare teachers. Equally, as a matter of course, there must be included such professional training, as the grade of the school calls for. The other three questions noted above are less easily disposed of.

Indeed, normal schools differ primarily, not in the character or qualifications of their teachers, or in their equipment or published courses, or their conditions of admission or graduation, or honors conferred, but in the way in which the course is administered. How much of each subject shall be employed? How may it be related to other subjects, and what are the conditions under which it is effectively brought into the mind and life of the learner? These are really vital questions for any school, particularly for one of teachers.

Among all the public Normal Schools in this country, that of Michigan was one of the first to adopt and apply the principle of election and parallel courses. Certainly it was done much more fully here than elsewhere. The number of subjects offered was large, and the choice of courses correspondingly generous. This expansion of courses began as early as 1870, when in place of the single professional course of four years, the first two years of which was followed by the conferring of a temporary certificate, there were substituted an English common school course of two years; a

full English course, of three years; and a modern classical course and an ancient classical course, each of four years. This arrangement continued for almost a decade with unimportant changes only. For two years (1872-4) there were offered higher courses in both English and certain foreign languages. These, however, were almost immediately dropped, and a district school course of one year tried. This was soon abandoned. The development of the language courses begins to be noticeable. A Latin-French course, along with certain "mixed courses," appears in the list for 1877-8. The next year the substitution of the term "language courses" for all other than the "common school" and "full English" groups, gave large room for options among the languages. Another year adds a "scientific" course, and an "art course," while retaining all others that had been formed.

The decade had been a period of great activity in the school, and one of improvement. New subjects had been added, the electives had been multiplied, and incongruities in the requirements were being eliminated. Legitimate courses were taking shape. In the year 1880-1, there appear four courses, three of which (the English, ancient languages and modern languages) date from 1871, and all of which have continued in one form or another, under one or another name, to the present time. The scientific course, as such, was introduced as noted above in 1880. During one year (1881-2) there was an "art" course; "special" courses were provided for through specified electives and substitutions. The modern language and ancient classical courses that lost their individual identity as such in 1879 (being thrown into the general class of "language courses"), reappear in 1886, accompanied by Latin-German and Latin-scientific courses. Two years later there were added also German-scientific and Greek-scientific groups. The former has since been known with few changes as the English-German; and the latter has dropped out of the list. A course in music has been offered since 1882. In 1889, the parallel courses comprised (1) scientific, (2) literary, (3) literary-scientific, (4) ancient classical, (5) modern classical, (6) English-Latin, (7) English-German, (8) English-French, and (9) music, all of which belonged to the full, or four year courses; and (10) English and (11) Kindergarten, each of which covered three years. To these courses which have continued to the present, there were added in 1890 also, a shorter-German and a Latin-German course, each of four years.

Besides these, there have been developed since 1890 a number of corresponding courses for high school graduates—certificate courses of one year, and diploma courses of two years. In the kindergarten at present there are offered both one and two year courses.

From this cursory view it will be apparent how great has been the expansion of the legitimate work of the Normal School within a decade. In twenty years it has almost doubled. In the register for 1879 there were offered 1,250 weeks of work. At present there are more than 1,500 weeks.

This means that no one student in a full course can find time to take the half of what is offered. Some subjects must be selected and others omitted. In the choice there must be some plan; a plan directed by the faculty, or by the pupil himself, or in part by each. The problem set for the Normal School is only part of the great problem shared by all modern educational institutions, professional or academic.

For us it has been a constant and urgent question, whose conditions have been changing for almost a generation, and whose successive answers have

necessarily been tentative. It is not an exaggeration, I think, to say that all important changes in the course for these years have been in the direction of improvement. They show a growing recognition of the individual pupil; an emphasis of certain fundamentals of culture that were made common to all the courses; a refined estimate of the equivalence of most of the great groups of studies; and a spirit of scholarly, broad-minded regard for the most generous preparation.

The movement has been shown quite as well in the enrichment of professional instruction.

This latter has increased from sixty weeks (exclusive of practice teaching), prescribed twenty years ago, to one hundred weeks required now. Besides the professional work required of all, there are also elective studies in pedagogy, or such as are prescribed for certain courses only to the amount of one hundred ten weeks.

From this point of view also there has been a constant need felt to readjust the courses frequently to the shifting conditions. It need scarcely be said that the readjustments made and here hinted only, have been uniformly, it is believed, in the way of improvement.

When, therefore, I became connected with the school there were found already in the experiences of the faculty reasons for thinking that the time had come for a further step forward in certain lines. Minor changes were suggested in the list of subjects prescribed for all full courses; some additions were proposed to the professional work, especially in secondary subjects; with a better preparation of applicants, some subjects it was thought might be pushed back into the preparatory schools; and finally there seemed to be reasons for a new sequence of certain subjects.

Without, therefore, intending any considerable modification of the essentials of the existing courses, a rearrangement of the work was undertaken by the council during the last year. Proposed changes were discussed during several regular and special meetings. Programs and schedules were drawn up and compared; all this with the result after weeks of deliberation, that there was finally recommended by the council, and adopted by your honorable board, the accompanying

#### CONSPECTUS OF COURSES.

As presented in the table, the subjects named in column (3) and marked "prescribed," and so required of all students, cover an amount equal to 450 weeks of work, or seventy (70) per cent of the whole. Upon the basis of four daily exercises, there are left 190 weeks of work, or nine and a half semesters (30 per cent) to be elected by the student from any of the subjects offered, as shown in columns 4 to 14, inclusive.

*Michigan State Normal School, 1894-5.*

## CONSPECTUS OF COURSES.

1.	2.	Prescribed.	Elective.				
		3.	4.	5.	6.	7.	8.
FIRST YEAR.	1st Semester.	Algebra II, Rhetoric, Drawing.	Science and art teaching.	Mathematics.	Physical science.	Natural science.	Music.
	2d Semester.	Pl. Geom., Botany, Eng. Hist.					Elements of Vocal Music, Voice Cult. I.
SECOND YEAR.	1st Semester.	Solid Geom., Eng. Lit., Psychology, †Phys. Tr. I.				Adv. Bot., Struct. Zool.	†Voice Cult. III, Harmony I.
	2d Semester.	*Arithmetic, Rev 10 w., Physics I, Grammar, Rev. 10 w., Psy. App., †Phys. Tr. II.	Method in drawing.			Syst. Zool. 1-10 w.	Harmony II, †Voice Cult. IV.
THIRD YEAR.	1st Semester.	Physics II, Geography Rev., Hist. of Ed., Meth. in C. B., †Phys. Tr. III.	Method in Phys. Tr.	Algebra III.	Chemistry.		C'point I, Hist. and Lit. of Music.
	2d Semester.	U. S. Hist. §Teaching, Lab. Prac. 10 w., †Phys. Tr. IV.	Kinder. Ins., Lab. Prac., Physical or Biol. 2-10 w.	Trigonom. 1-10 w., Surveying 2-10 w., Hghr. Alg.	Chem. Adv.	Biological Technics 2-10 w.	C'point II, Kind. Mus.
FOURTH YEAR.	1st Semester.	Physiology, Rev., §Teaching, Sci. of Gov. 1-10 w.	Psychology Advanced.	Anal. Geom. and Calculus.	Astronomy.	Geology, Physiological Demonstration 1-10 w.	Musical Compos. I.
	2d Semester.	History, Am. Lit. Sci. of Ed.	Method in Hist. 1-10 w., Hist. 1-10 w., Clas. Lan. 2-10 w., Mod. L. 1-10 w., Math.	Method in Math.	Phys. Adv., Meth. in Sci. 1-10 w., Inst. Astr. 1-10 w., Phys. Tech. 2-10 w.	Hist. Geol. 2-10 w.	Musical Compos. II.

NOTES.—Credits for 480 weeks of work taken from that schedule for the first three years, including the 870 weeks of prescribed work, and in addition to the four semesters of physical training, entitle the holder to a five years' certificate.

Music is elective and may be taken at any time, as a fourth study; and, when the elective is a language, as a fifth study, with the consent of the principal and the heads of the departments involved.

§ Students who intend to leave school at the close of the third year, and take a certificate, must do their teaching during the second semester of that year. Students taking the full course will take their practice

*Michigan State Normal School, 1894-5.*

## CONSPECTUS OF COURSES.

		Elective.					
		9.	10.	11.	12.	13.	14.
		History.	English.	Latin and Greek.	German and French.	Geography and drawing.	Physical training.
FIRST YEAR.	1st Semester.			Latin III.	German III, French I.		
	2d Semester.			Latin IV.	German IV, French II.	Blackboard Sketching.	
SECOND YEAR.	1st Semester.	Greek and Roman.		Latin V, Greek I.	German V, French III.	Adv. Drawing.	
	2d Semester.	Continental History.	Adv. Eng. Literature 2-10 w.	Latin VI, Greek II.	German VI, French IV.	Method in Drawing.	
THIRD YEAR.	1st Semester.	Genl. Hist., Elementary Historical Material.	Reading 1-10 w.	Latin VII, Greek III.	French V.		Applied Anatomy 1-10 w., Method in Phys. Tr.
	2d Semester.		Old and Middle English.	Latin VIII, Greek IV.	German VII.	Phys. Geog.	
FOURTH YEAR.	1st Semester.	Eng. Const. History, Polit. Econ. 2-10 w.	Study of Masterpieces.	Latin IX, Latin XI, Greek V, Latin Sight Reading.	German VIII.		
	2d Semester.	Inst. of Gen. History, Method in History 1-10 w.	Adv. Rhet.	Latin X, Latin XII, Greek VI, Meth. in Cl. Lang. 2-10 w., Lat. Writ.	Method in Mod. Lan. 2-10 w.		

in the training school during the first semester of the fourth year.

\*In the teachers' reviews in the common branches, classes will be organized each quarter as may be required.

†The four semesters of physical training may be taken at any time before the close of the junior year.

‡In place of Voice Culture II, III, and IV, students selecting the music course may substitute instrumental music by paying the fee for the latter. (See special circular.)



Of the prescribed work, 260 weeks, or nearly fifty-eight (58) per cent is academic; fifty weeks, or eleven per cent, is made up of teachers' reviews of the five common school branches, arithmetic, grammar, geography, physiology and civil government; and 140 weeks, or thirty-one per cent, professional studies. The remaining 190 weeks of electives may be either academic or professional, or, as more frequently happens, a combination of the two. Indeed from one-third to two-fifths of the average long course is now made up of professional studies.

The nine and a half semesters of optional work may all be selected from a single department, if desired, and if so much is offered in addition to that prescribed. Indeed, students are strongly and always advised to make their total courses as connected and integrated as possible, scrappy and unrelated electives being discouraged and, within limits, prohibited.

In this way and by such arrangement of studies, it is believed the capable student may make not only the general preparation required for the usual common school teaching, but such preparation also, as will fit for some more special and extended and so important line of instruction in secondary schools.

The call for this was noted in a previous paragraph of this report. In eight of the eleven departments named on page 13, full four year courses, each allowed by its appropriate method, are now offered. There is no high school in the State whose course in any of these departments is so extended that it may not find both scholarship and professional training adequate for its instruction in any senior class going out from the Normal.

But the elementary teachers in cities and rural districts are even better provided for. Three years in this course, of twenty exercises weekly, entitle the student completing them to a certificate valid as a license to teach in the State for five years. Four years of such study entitle one to a diploma and a life certificate. The line of electives in either case may include mathematics, physical science, natural science, music, history, English, Greek, Latin, French, German, geography and drawing, kindergarten or physical culture, as appear in the table in columns marked "elective."

If a foreign language be elected, no credit is given to count upon the course if less than two years of the work be taken. And, whatever the options, the list of electives must include at least five terms from some one department. This seems to be not unfair, as it allows entire freedom of choice among the departments for nine semesters, and a like freedom among subjects even for four semesters.

The present two year course for high school graduates includes the fifty weeks of teachers' reviews, of the common branches, one hundred forty weeks of professional work, and one hundred thirty weeks of electives, as noted above. The corresponding one year course comprises one hundred twenty weeks of professional work, and forty weeks of teachers' reviews—all prescribed.

Besides these there is still preserved, as heretofore, the course for college graduates, covering a half year of purely professional studies. This also it would seem must in time be expanded to a full year.

## PHYSICAL CULTURE.

The new physical training building begun in October, 1893, was completed in time for a partial course to the senior class in the spring of 1894. The location just across the street, south of the main campus, is admirably suited to the purposes of the building. The heating (by steam, through pipes from the boiler house), has met all requirements. The lighting, both natural and artificial, is beyond criticism. Of the equipment, there are only words of praise from both the instructors and expert visitors. It includes two separate sets of apparatus in two rooms, each 48 by 80 feet. The basements also are separate, and each supplied with eight shower-bath rooms, one bathing pool, lockers and closets. On one side there is a visitors' gallery, and on the other a running track. At your suggestion, the experiment has been tried of making the use of the building with baths and other privileges entirely free. The experiment is a novel one among school gymnasiums; and the experience at this time is too brief to formulate any conclusion as to the wisdom of it. It should be said, however, that no reasons yet appear for changing the policy.

A minimum amount of the practice is required of all students at some time during their course. Advanced practice, and a course each in sanitary science, applied anatomy, and method in physical culture are offered as electives.

Already there have been applications for an extended course in this department, which it is hoped to meet in time, and with such assistance in floor work as advanced students or special senior assistants can supply. The outlook is promising. New courses will be added. Every privilege of the building is eagerly sought, and among students no exercise is more popular than that in physical culture.

## THE LIBRARY.

From a considerable acquaintance with normal schools in the United States, I am persuaded that few of them are so well equipped with general and special library references as is our own. The Normal School library, both in its books and in its management, is something in which to take legitimate pride.

The volumes number at this time about 15,000. Sixty-three periodicals are taken and used in the reading room. The patronage of the library by students is large and growing, even beyond the capacity of the room. All the current reading matter and about 300 volumes comprising general references, are so placed as to give students unrestricted access to them.

Others are given out upon tickets. Among 800 students, the average daily loans aggregate not less than 650 volumes. This, it must be remembered, is exclusive of general references and periodicals.

An assembly room is kept open throughout the day for a study hall. Nevertheless the library room, with tables and chairs to accommodate a hundred persons, is usually filled. For this purpose the library is greatly in need of more room. No department of the school, I am persuaded, is more serviceable in developing a self-reliant, critical, investigative spirit than this. It is an active partner with every other. The hours used here reinforce and enrich every study. It is, of course, a large part of every student's education that he has learned to know books and how to use

them. This service, the Normal School library is trying in an effective way to render.

Besides the loans for the day, there is in practice a system of "evening loans" that is regarded by teachers and students alike as very profitable.

Any book that may be wanted and can not, for any reason, be used during the day, may be reserved by a student, upon notice being given, and taken out at the hour of closing in the afternoon (5 o'clock), to be used at his rooms and returned before school hours the next morning.

These loans average from 150 to 175 daily. They are almost wholly of school references and reach a large number of students. The arrangement has heretofore been preferred to that of having the library open of evenings.

With more assistance and additional room, the use of both these privileges might, it is estimated, be increased one-half.

Something has been done already in the way of duplicating books that are much in demand. The work of the school both in kind and amount, demands abundant materials. The physical laboratory is supplied with several pieces of the more common kinds of apparatus. In chemistry, provisions are made to accommodate thirty to forty students at a time, using duplicate sets of materials. Each member of the class in zoölogy to the number of thirty-six is supplied with a compound microscope for his individual use during the hour. For certain kinds of work, and very largely in some departments, the library is the true laboratory. There is need of as many books of different kinds, and as many of the same kind (duplicates) as will meet the individual requirements of the class. In the present catalogue, of forty-four titles, there are two copies each; of twelve there are three copies each; of seven there are four copies each; of five works, there are respectively five, six, seven, eight and ten copies each, and of two there are thirteen copies each. Seventy works show a shelf list of 214 books.

It follows that if the school continues to be broadly administered, the library must further and in new ways take its place alongside of the laboratories as an indispensable equipment for any department. It is obvious that it is valuable not at all according to the number of volumes on the shelves, or their cost, or their history, or their rarity, or their rich and beautiful bindings; but to the use that can be and is regularly made of them. By this standard there are few more fruitful equipments in the school than our library. It touches every department and almost every subject, and concerns every student. And I speak, I think, for the faculty, no less than for myself, when I say that we all hold ourselves ready and bound to do whatever shall in any way increase its efficiency.

Among other things there are needed, besides a few periodicals, additional dictionaries and lexicons, cyclopedias, atlases and gazetteers. The general reference department is one of the most used and most useful of any in a working library such as ours. The daily work of large classes makes imperative the satisfying of many calls for a given reference within a few hours. The want is the more easily met, inasmuch as the publishers' presses are annually turning out new and comprehensive helps in this way.

Improvement along the lines mentioned would require a somewhat larger appropriation perhaps than has been available for the current year, and more assistance in handling the books. Hence this paragraph in the report.

## THE TRAINING SCHOOL.

One of the most important factors in any formal preparation of teachers is the practice or training school. What it is, and what it does, and the way in which it accomplishes its purposes, determine even more than the theoretical instruction in pedagogy, the after success or failure of its pupil teachers. Here habits are formed, devices are learned, ideals are copied and adopted, ways of doing are apt to be exalted, efficiency is magnified.

For such reasons, it is fundamental that no mistake be made in the training school.

While it is not desirable that pupil teachers copy or imitate blindly the ways of critic and other superior teachers, however expert these may be, it is more than helpful, it is essential, that the school in which they are placed to observe or teach should be as perfect a school as the means at hand and the genius of those in charge are able to make it. The rooms and equipments and furnishings should be the most modern and complete.

The lessons should be the best in matter and arrangement that well-paid expert knowledge and skill can provide. No compromise with inferior teaching, I am sure you will agree, and no serious defect in texts and apparatus can be justified. A training (practice) school for teachers should exhibit in its daily working the latest established pedagogical insights. Both its final and efficient aims are that these insights may be communicated and exemplified. All other ends are secondary and remote.

A shop whose purpose is profit to the operator may, from motives of economy, continue to use an inferior machine or antiquated processes, or a meager equipment or tentative methods. But were the same establishment to set up as an institution to train workmen in the same art, inferior equipments where the best may be had would be inexcusable. Learners, whether in mechanics or pedagogy, are entitled to a knowledge of the most effective means, the essential conditions, and the most skillful methods that are known. This right of the teacher to the best insights and the truest instruments and the most suggestive examples of proficiency in his art, is even superior to that of the engineer.

You and your predecessors have done well, therefore, in providing so liberally for the model school. In apparatus and material instruments generally, the department is well equipped. Its library of 700 volumes is entirely separate from the general school library and has been collected for the most part with the needs of school children in view. It is used for general reading and to supplement the school studies, and is much patronized. The kindergarten is doing a good service both to the children themselves and to the pupil teachers. Its equipment is fair and adequate for present work. With an extension of the course to fit teachers to take charge of independent kindergartens, such as may be expected in the near future, there would be needed both more room and more furniture.

In the lower primary classes also, the department is equipped to do all that the best primary schools anywhere are undertaking. In the rooms of the upper classes are to be found, beside the usual supply of maps and charts and globes, considerable illustrative material in the way of collections in natural and physical science, pictures, literary and historical matter, etc.

The money appropriated to the department in previous years has, it would seem, been wisely expended. An equally intelligent and generous

provision for it in the future would keep the work up to its present standard of results.

In the introduction of more science and history work into the lower grades, however, which has already been begun, there will be involved something additional in the way of expense. The item will not be a large one, but includes a line of apparatus and furnishing and materials of which heretofore there has been but little need.

The director of the training school and the critic teachers are in accord with this movement thus to enrich the course, and make the work for pupil teachers an object lesson in practical pedagogics.

#### TWO FUNCTIONS.

It has been said in general,

"Be not the first by whom the new is tried,  
Nor yet the last to lay the old aside."

Nevertheless it is quite open to question whether a practice school for teachers is not just the place where reasonable experiments should be tried to test the validity of proposed reforms in doctrine or method. The laboratories employ chiefly the method of experiment and investigation. Why should not the training school, with its 300 children, be made a place for systematic and original observation? a place and an opportunity to test and verify the school's accepted doctrine? Here it is hoped, under the eyes of specialists, may be brought to trial and question and criticism—honest, open-minded criticism—courses of study, tentative programs, the phenomena of child life, abnormalities in teacher and pupil, devices, appliances, etc.

The training school has therefore two somewhat distinct functions: (1) it should represent in their most effective way, the matured judgments of the school; and (2) it affords a rich field to the intending teacher, with careful supervision and direction, for pedagogical inquiry along lines which recent thought has shown to be promising.

#### SEPARATE BUILDING.

Very soon, if the purposes of the school be well served, it should have its own building. By this means both children and teachers could be better accommodated. There could be exemplified the most recent improvements in school architecture, sanitation, heating, ventilating, lighting, seating, etc.; the larger senior classes could then be provided for in a way that is impossible now.

Teachers' classes are much overcrowded. In the main building twenty-six teachers are using twenty-one rooms. The young men's assembly hall has been given up to classes. One class has been turned over to the large study room. A hall with accommodations for two hundred people is needed for illustrative lectures and available for any department. The biological department will need more room for laboratory use, to accommodate students taking required work alone. Every teacher added to the present corps only complicates the difficulty.

By providing other quarters for the training school, there would be available for normal classes four large rooms and five smaller ones on the first floor. It is hoped that such arrangement may be made.

## CRITIC TEACHERS.

In a normal school, practice teaching is valuable to the degree that it is intelligently directed. A chance merely to experiment with children and classes may be had without coming to Ypsilanti. The opportunity occurs in any school with any teacher where the rule-of-thumb is followed. The training school has for one of its purposes so to regulate the practice as to save one from needless and profitless experiment, and from wasteful failure.

The policy inaugurated a year ago of placing over each grade in the practice school a teacher chosen for her efficiency and skill in the art of teaching, is in every way to be commended. Such oversight vitalizes a service that might otherwise be a chance or barren one. It gives motive to the young teacher's effort. There is something specific to attempt; and there is a standard by which to estimate the results. The training school becomes primarily an observation school; a place where expert teachers give occasional or frequent lessons, not for models, but for suggestion and subsequent criticism. Both the observation and the criticism, it should be noted, however, are saved from failure or something worse, only as they are vitalized by a far-seeing and sympathetic, but critical and exacting and scholarly and purposeful oversight. This supervision also, can neither be occasional and incidental, nor mediocre. It has need to be both authoritative and inviting. There is a large field here for service, and the place is one of great responsibility. The board and the last administration are to be commended for this evident step in advance.

## SENIOR CLASSES.

The large size of recent senior classes vastly complicates administrative matters in the training school. How much practice work may be required of students, and how much may be provided for them, are two questions that do not always receive the same answer.

Ten years ago the training school had the same eight grades and about as many pupils as now. There were 101 seniors distributed to them for the same amount of teaching as now. In the decade, the number of seniors has increased from fifty to seventy-five per cent, with the additional teaching chance of a single room only—the kindergarten. Their distribution through the year, and their location in grades or classes suited to their needs, are found to be growing yearly more difficult. Something of relief may be expected perhaps as we become adjusted to our new arrangement of studies in the course; something from the proposed extension of courses, if finally undertaken, and with larger accommodations for the training school; and especially with a system of recitation rooms into which classes from the several grades might be sectioned and left temporarily in charge of pupil teachers, the work would be much simplified.

On the other hand, the larger per cent of our students who complete the course (making more persons to be provided for); the larger numbers of high school graduates entering (so crowding the short courses); and the comparative inexperience of many of this latter class, present considerable difficulties yet.

From all of which it will be apparent to you how important and far-reaching are the questions that have to do with our practice school. You are respectfully invited to a continuance of interest and a critical study with us of these matters.

## THE ELEMENTARY COURSE.

Reference has already been made in this report to a proposed revision of the elementary or training school course of study. The school has been growing toward this for some years. Recent school thought has greatly changed with reference to the nature and functions of a course of study; its composition and integration; the proportions of its several subjects; the end toward which it is to be used, etc.

Here, as elsewhere, it is important that the school should exemplify in the subject matter and arrangement of its daily program and the work for the years, the best available approach to the ideal curriculum.

With this end in view, and after a faculty discussion of this and related questions extending over several months, the elementary course has just been taken up for systematic study and arrangement. At this time the most general statements only can be made as to the aims. This much may be said, however: there will be (1) a more general introduction in a systematic way, of simple science and the study of nature at first hand, and throughout the eight grades; (2) something more of history and literature and biography, and the rudiments of art and the arts in the lower grades; and (3) attempts to integrate in a better way the several exercises.

This, briefly, is the concrete problem set for the critic teachers for the coming year. It means careful planning, and much reading and acquaintance with the best courses in other schools, and a scholarly interest in the two fields of science and history to be worked over, skill in arranging and presenting matter, and a rich insight into the ways of learning in child mind, to make it even fairly successful. There is apparent, however, a willingness to co-operate on the part of those interested, and it is confidently expected that the end of another year will show progress in several important respects.

## THE KINDERGARTEN.

Next to the "schools" of the training department is the kindergarten, also used for observation and practice by pupil teachers. It is growing in patronage and confidence. The calls for teachers who have taken the full course offered are frequent, as are also the applications from intending teachers for permission to do special work in this line. Two classes of teachers are reached by the instruction; those preparing to do regular kindergarten work, and those who are fitting themselves for the lower primary classes. The latter get the lectures upon the theory of the kindergarten and follow it up by a brief period of work with the children; the former receive all this and continue their teaching to double the amount. It is hoped in time to arrange a more extended course to accommodate such as wish to give the subject special attention, including a course of reading and additional practice.

The kindergarten enrollment for 1892-3 was 47; for the last year it was 57. Of the 168 graduates in 1892-3, there were 23, or 14 per cent, who received their certificates or diplomas from this department. The next year it graduated almost twenty per cent of the entire class.

The kindergarten, however, cannot be considered a "fad" either here or elsewhere. Its work with us is of the most serious character, exacting and critical. The largest scholarship is encouraged, and unquestioned efficiency in handling children demanded. Nowhere is it more important that exemplary habits and fitness of temper and a generous heart be recognized as

qualifications to be expected in the teacher. The kindergarten course takes its place, both in its method and the dignity of its aim, alongside of those in other departments.

#### THE CONSERVATORY.

Besides the departments named, there is one other—the conservatory—having regular academic relations with the school. It offers one full professor and an assistant, whose time as needed is given to the Normal School. Certain of its courses are accepted as electives in academic work. For many years a minimum amount of vocal music has been required of students in long courses. The vocal music in the training school is supervised by the music department. Graduates in the music course do practice teaching (in the one branch) in the training school as do other seniors.

Weekly recitals are given to which all are invited. The department maintains a chorus of 150 voices made up of volunteers from the school. It meets for daily practice and assists very acceptably in the morning exercises. Once a year, under the auspices of the Normal Lecture Association, this choir, in charge of the conservatory director, gives a public concert. Not less than one-third of the students enrolled in the Normal School are found at some time in the year in the music classes. An increasing number also of those in special music courses are taking elective work from the academic departments—German, French, physics, literature, history, etc.

It is believed that the relations of the school and the conservatory are mutually helpful.

#### BUILDINGS AND GROUNDS.

The buildings are generally in fairly good repair. The heating is adequate and for the most part easily regulated. The pipes and valves, however, in the older parts of the building, have been in use many years, and economy would seem to require at an early day a general inspection and repair.

Some leakage in the roof of the main building, and an insufficient supply of water pipes to carry off the water are troublesome defects. The escape pipes and drains are evidently obstructed in places; but as no plans have been preserved, showing their underground location, the difficulty of opening them is increased. These should receive attention, as every winter only adds to the obstruction, and the walls in places are weakening.

The use of the large cistern is interfered with in much the same way. The force pump and engine in the main basement, used to supply the tank with water for laboratory purposes, has several times failed, and must be repaired or ultimately replaced by something more modern.

The most urgent need, however, about the buildings is, in my judgment, that for some adequate fire protection. There is now a fifty-foot coil of old hose on each floor. The attachment in each case is near the middle of the building. This is at the crossing of the two great corridors, each 200 feet long. The entrance to the library is a hundred feet away from the nearest hose connection on that floor. The chemical laboratory is not less unfortunately situated. That of biology is in even greater danger, being on the third floor, in a distant wing of the building, and reached by hose only through an intervening room and three doors.

In the surrounding streets there are seven city hydrants; but these are,



with a single exception, from 100 to 300 feet distant from the building. Moreover, the city pressure has not, I am told, been found at times of testing, strong enough to throw a stream to the top of the building in a way to be effective. The school is in urgent need of some real fire protection.

This might be accomplished perhaps through the erection of a six-inch stand pipe within the main structure, with lateral connections to the several wings; or through a supply of larger water connections near the outer walls and a smaller (say a four inch) pipe near the center of the building reaching to the several stories. All three of the buildings should then be furnished with good lengths of well tested hose.

Through your generous offers, arrangements are making to place the grounds in repair, removing a few of the older trees, cultivating the lawn, providing for flowers in season, laying out some needed walks and drives and, in generally conserving and improving the premises. The thousand youth who attend the school each year should find no neglect or indifference to the virtue of well planned and æsthetic school environments, especially as the expense and trouble are so small.

Allow me in closing to express my hearty appreciation of the generous treatment and loyal support accorded me by the faculty since I came among them, and the uniformly liberal attitude of your board toward the institution; to both of which in large measure must be ascribed whatever success has attended the year's work. I bespeak for the school your continued interest and a farseeing judgment concerning its needs and future that shall keep it abreast of the best thought.

Most respectfully submitted,

RICHARD G. BOONE,  
*Principal of School.*

## STATISTICAL INFORMATION.

TABLE I.—Attendance for the two years, 1892-3 and 1893-4.

1. Enrollment, 1892-3.....	987
2. Enrollment, 1893-4.....	922
3. Loss in enrollment.....	15
4. Members of senior class, 1892-3.....	165
5. Members of senior class, 1893-4.....	147
6. High school graduates, 1892-3.....	308
7. " " " 1893-4.....	299
8. " " " among seniors, 1892-3.....	103
9. " " " " 1893-4.....	93
10. Enrollment in training school, 1892-3.....	313
11. Enrollment in training school, 1893-4.....	346
12. Number of post graduates, 1892-3.....	11
13. Number of post graduates, 1893-4.....	15
14. Degrees conferred, B. Pd., 1892-3.....	2
15. Degrees conferred, B. Pd., 1893-4.....	6
16. Total degrees B. Pd. to date.....	42
17. Degrees conferred M. Pd., 1892-3.....	4
18. Degrees conferred M. Pd., 1893-4.....	0
19. Total degrees M. Pd. to date.....	12

TABLE II.—Showing growth of high school patronage.

1	2	3	4	5	6	7	8	9
Year.	H. S's.	School enrollment.	From H. S's.	Per cent.	Schools sending graduates.	Graduates admitted.	Per cent of H. S. pupils.	Per cent 6 is of 2.
1888-9.....	148	809	231	34.7	81	135	48	54.7
1889-90.....	150	811	261	32.2	86	135	51.7	57.3
1890-1.....	210	909	497	49.1	135	223	51	64.3
1891-2.....	200	1,002	451	45	143	285	58.7	71
1892-3.....	192	987	422	45	150	308	73	78
1893-4.....	192	922	392	42.5	159	299	76.3	83

## STATE BOARD OF EDUCATION.

*Faculty and officers.*

Name.	Position.	Length of service, years.
<i>Heads of Departments.</i>		
Richard G. Boone	Principal	1
Daniel Putnam	Vice principal, professor of pedagogics	25
Julia A. King	Professor of history	13
Frederic H. Pease	Professor of music	30
David E. Smith	Professor of mathematics	3
August Lodeman	Professor of modern languages	23
Benj. L. D'Ooge	Professor of ancient classics	8
Florus A. Barbour	Professor of English	9
Edwin A. Strong	Professor of physical science	9
William H. Sherzer	Professor of natural science	2
Lucy A. Osband	Professor of natural science	12
Charles T. McFarlane	Professor of drawing and geography	2
Wilbur P. Bowen	Professor of physical culture	$\frac{1}{2}$
Austin George	Director of the training school	14
P. R. Cleary	Professor of penmanship and book-keeping	9
<i>Assistants.</i>		
Mary B. Putnam	History	2
Lambert L. Jackson	Mathematics	3
Ada A. Norton	Mathematics	3
Annie A. Paton	Modern languages	10
Helen B. Muir	Ancient classics	5
Lois A. McMahon	English	11
Abbie Pearce	English	9
Wm. D. Cramer	Zoology	1
Fannie Cheever Burton	Physical culture	$\frac{1}{2}$
<i>Instructors.</i>		
Florence Schultze	History	2
Oscar Gareisen	Music	2
Emma C. Ackermann	Mathematics	2
Fred R. Gorton	Physics	2
Milton W. Wimer	Physics	1
Hilda Lodeman	Drawing	$\frac{1}{2}$
<i>Training School Teachers.</i>		
Maud E. Cannell	Kindergarten	3
Margaret E. Wise	First grade	1
Maud Ball	Second grade	2
Hattie M. Plunkett	Third grade	2
Clara L. Clark	Fourth grade	1
Ida Taylor	Fifth grade	2
Winnie J. Robinson	Sixth grade	2
Flora Wilber	Seventh grade	2
K. Maude Cady	Eighth grade	2
<i>The Library.</i>		
Genevieve M. Walton	Librarian	2
Gertrude E. Woodard	Assistant	2
Frances L. Stewart	Clerk	6
<i>Board of Education.</i>		
Perry F. Powers	President	6
Henry R. Pattengill	Secretary	2
David A. Hammond	Treasurer	4
Eugene A. Wilson		2

## TREASURER'S REPORT.

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### *State Board of Education:*

GENTLEMEN—The following detailed report contains an exhibit of all moneys that have come into my hands as treasurer of the State Board of Education for the fiscal years, 1893 and 1894, the sources from which they were derived and the purposes for which all expenditures have been made, as well as the amounts of cash on hand to the credit of the various accounts on June 30, 1894.

Exhibit "A" is a showing of all receipts during the year ended June 30, 1893, classified as to the sources from which they were received, and Exhibit "B" is a similar showing for the year 1894.

Exhibit "C" is a classified showing of all disbursements for the year ended June 30, 1893 and Exhibit "D" the same for 1894. All these items of disbursement have had your inspection and approval, and vouchers for each have been filed, one with the Auditor General and one in the office of the board.

Exhibit "E" shows all disbursements on account of salaries to members of the faculty and employes of the Normal School for 1893, and Exhibit "F" the same for 1894.

Exhibits "G" and "H" are summarized statements of the business of the treasurer with the Auditor General, through whom all moneys on account of legislative appropriations and the Normal School interest fund are received. These exhibits also show a summarization of all disbursements covering which vouchers have been filed in the Auditor General's office.

The remaining funds of the board are on deposit with a bank that has been approved by your honorable body.

Respectfully submitted,

DAVID A. HAMMOND,

*Treasurer.*

## STATE BOARD OF EDUCATION.

## EXHIBIT A.

*David A. Hammond, Treasurer, Dr., for fiscal year ended June 30, 1893.*

Date.	I. On account of current expense.	Amounts.	Totals.
1892 July 1	Balance on hand.....		\$1,058 99
	<i>I. Legislative appropriations.</i>		
July 27	Part of State Treasurer's check No. 8694.....	\$11,565 00	
Nov. 29	" " " " " 10887.....	11,565 00	
1893			
Apr. 22	" " " " " ".....	13,490 00	
Jan. 28	" " " " " ".....	11,565 00	
June 24	" " " " " ".....	12,527 50	60,712 50
	<i>II. Normal School interest fund.</i>		
1892 July 27	Part of State Treasurer's check No. 8694.....	\$1,027 00	
Nov. 29	" " " " " 10887.....	1,045 00	
1893			
Apr. 8	" " " " " " 1364.....	2,071 10	4,143 10
	<i>III. Admission fees.</i>		
1892 Sept. 30	Frances L. Stewart, clerk.....	\$3,063 50	
Oct. 31	" " " " " ".....	92 50	
Nov. 30	" " " " " ".....	155 00	
1893			
Jan. 31	" " " " " ".....	840 00	
Mar. 8	" " " " " ".....	2,485 00	
Apr. 1	" " " " " ".....	65 00	
May 1	" " " " " ".....	55 00	
June 1	" " " " " ".....	17 50	6,298 50
	<i>IV. Laboratory fees.</i>		
1892 Sept. 30	Frances L. Stewart, clerk.....	\$16 50	
Oct. 31	" " " " " ".....	3 00	
Nov. 30	" " " " " ".....	9 00	
1893			
Jan. 31	" " " " " ".....	21 00	
Mar. 8	" " " " " ".....	54 50	
Apr. 1	" " " " " ".....	23 50	
May 1	" " " " " ".....	30 50	
June 1	" " " " " ".....	25 50	
June 30	" " " " " ".....	31 50	\$214 00
	<i>V. Diploma fees.</i>		
1892 Nov. 30	Frances L. Stewart, clerk.....	\$10 00	
1893			
Apr. 1	" " " " " ".....	81 00	
May 31	" " " " " ".....	12 00	
June 30	" " " " " ".....	368 00	421 00
	<i>VI. Organ fees.</i>		
1892 Oct. 31	Frances L. Stewart, clerk.....	\$15 00	
1893			
Mar. 8	" " " " " ".....	36 00	
June 1	" " " " " ".....	9 00	
June 30	" " " " " ".....	13 20	78 20
	Amount carried forward.....		\$72,916 29

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT A.—CONTINUED.

Date.	I. On account of current expense.	Amounts.	Totals.
	Amount brought forward.....		\$72,916 20
	VII. Interest on deposits.		
1892 Dec. 31 1893 June 30	D. A. Blodgett & Co., bankers.....	\$118 27	
	Ypsilanti Savings Bank.....	15 00	
	" First National Bank.....	31 65	164 92
	VIII. From other sources.		
1892 Aug. 13	Received from lost text books.....	\$28 14	
Nov. 12	Ypsilanti Paper Co., oil exchanged.....	15 71	
23	Sale of outbuildings.....	50 00	
1893 Mar. 16	Ypsilanti Paper Co., oil exchanged.....	106 02	199 87
	Total receipts, including balance on hand.....		\$73,281 08
	II. ON ACCOUNT OF BUILDING AND SPECIAL PURPOSES.		
	I. Building.		
1892 July 1 Aug. 25	Balance on hand.....	3,537 20	
	State Treasurer's check.....	4,000 00	\$7,537 20
	II. Library.		
July 1 1893 Feb. 18	Balance on hand.....	\$1,007 21	
	Transfer from current expense.....	600 00	
	Total for library.....	\$1,607 21	
	Deduct transfer.....	600 00	1,007 21
	Total for building and library.....		\$8,544 41
	Total debits for all purposes.....		\$81,825 49

## EXHIBIT B.

David A. Hammond, Treasurer, Dr., for fiscal year ended June 30, 1894.

Date.	I. On account of current expense.	Amounts.	Totals.
1893 July 1	Balance on hand.....		\$9,999 21
	I. Legislative appropriations.		
Nov. 1 1894	Part of State Treasurers' check, fourth quarter.....	\$12,527 50	
Jan. 26	" " " " " No. 6938.....	12,777 50	
Mar. 31	" " " " " second quarter.....	12,777 50	
June 12	" " " " " third quarter.....	12,777 50	50,860 00
	II. Normal School interest fund.		
1893 Dec. 27 1894 June 22	Part of State Treasurer's check No. —.....	\$2,108 23	
	" " " " " —.....	2,383 40	4,491 63
	Amount carried forward.....		\$35,350 84

**STATE BOARD OF EDUCATION.**

**EXHIBIT B.—CONTINUED.**

Date.	I. On account of current expense.	Amounts.	Totals.
	Amount brought forward.....		\$65,850 84
	<i>III. Admission fees.</i>		
1893 Oct. 1	Frances L. Stewart, clerk.....	\$2,747 50	
Nov. 1	" " .....	117 50	
Dec. 30	" " .....	138 75	
1894 " 30	" " .....	16 25	
Feb. 9	" " .....	18 75	
Mar. 1	" " .....	2,792 50	
June 1	" " .....	62 50	
" 1	" " .....	15 00	
			5,908 75
	<i>IV. Laboratory fees.</i>		
1893 Oct. 19	Frances L. Stewart, clerk.....	\$25 00	
Nov. 1	" " .....	9 00	
Dec. 30	" " .....	15 00	
1894 " 30	" " .....	7 00	
Feb. 9	" " .....	19 00	
Mar. 1	" " .....	85 50	
Apr. 1	" " .....	35 00	
June 12	" " .....	44 50	
" 12	" " .....	20 50	
			280 50
	<i>V. Diploma fees.</i>		
1893 Sept. 30	Frances L. Stewart, clerk.....	\$3 00	
Nov. 25	" " .....	8 50	
1894 Apr. 1	" " .....	9 00	
June 1	" " .....	9 00	
			34 50
	<i>VI. Organ fees.</i>		
1893 Dec. 30	Frances L. Stewart, clerk.....	\$9 00	
1894 Apr. 1	" " .....	9 00	
			18 00
	<i>VII. Interest on deposits.</i>		
1893 Dec. 31	To interest on deposits, State Savings Bank, Detroit.....	\$170 85	
	" " " " First National Bank, Ypsilanti.....	1 02	
			171 67
	<i>VIII. From other sources.</i>		
1893. Sept. 30	Sale of old text books.....	\$464 18	
Nov. 1	" " " " .....	501 45	
Dec. 30	" " " " .....	46 45	
1894 Apr. 1	" " " " .....	1 15	
	Total debits, current expense.....		1,018 23
			\$72,757 49
	<b>II. ON ACCOUNT OF BUILDING AND OTHER SPECIAL PURPOSES.</b>		
	<i>I. Building.</i>		
1893 July 1	Balance on hand.....	\$0 17	
Sept. 25	Part of State Treasurer's check.....	5,000 00	
Nov. 1	" " " " .....	5,000 00	
Dec. 30	" " " " .....	5,000 00	
1894 Mar. 31	" " " " .....	5,000 00	
			\$20,000 17
	<i>II. Library.</i>		
1893 July 1	Balance on hand.....	\$74 47	
31	Transfer from current expense.....	600 00	
Dec. 30	" " " " .....	100 00	
1894 Jan. 26	" " " " .....	300 00	
Mar. 31	" " " " .....	600 00	
June 26	" " " " .....	200 00	
	Total for building and library.....		1,874 47
			\$21,874 64

# REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT B.—CONCLUDED.

Date.	II. On account of building and other special purposes.	Amounts.	Totals.
	Total for building and library (brought forward).....		\$21,874 64
	Deduct transfers.....		1,800 00
	Current expense.....		\$20,074 64
	Total debits for all purposes.....		72,757 49
			\$92,933 13
	RECAPITULATION, DR.		
	Current expense, 1892-1893.....	\$78,281 08	
	1893-1894.....	72,757 49	
	Building and library, 1892-1893.....	8,544 41	
	1893-1894.....	20,074 64	
	Total for all purposes for two years.....		\$174,657 62

## EXHIBIT C.

David A. Hammond, Treasurer, Cr., for the fiscal year ended June 30, 1893.

### I. CURRENT EXPENSE.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
July 7	371	Tel. & Tel. Construction Co.....	Telephone.....	\$12 00	
	372	Michigan Bell Telephone Co.....	Use of line.....	75	
	373	P. W. Carpenter, P. M.....	Postage.....	72 00	
	374	L. E. Miller.....	Insurance.....	186 00	
	375	Julia E. Sherman.....	Insurance.....	180 00	
	376	Calvert Lith. & Eng. Co.....	Diplomas.....	5 00	
	377	Moon & Stewart.....	Diplomas.....	9 24	
					\$464 99
Aug. 24	378	Tracy L. Towner.....	Insurance.....	\$123 00	
	379	M. T. Woodruff.....	Printing.....	1 00	
	380	Estate of Rice A. Beal.....	Printing.....	3 53	
	381	C. E. Russell.....	Insurance.....	36 00	
	382	D. B. Greene.....	Printing.....	1 50	
	383	D. B. Greene.....	Insurance.....	186 00	
	384	July pay roll.....	Salaries.....	270 00	
	385	L. C. Snell.....	Fuel.....	700 00	
	386	Calvert Lith. & Eng. Co.....	Supplies.....	8 00	
	387	Richmond-Backus Co.....	Supplies.....	7 50	
	388	Chas. H. Gurney.....	Contingent.....	7 15	
	389	Austin George.....	Repairs.....	137 10	
	390	D. E. Wilber.....	Insurance.....	108 00	
	391	Parish Aid Society, St. Luke's church.....	Contingent.....	100 00	
	392	Ypsilanti Gas Co.....	Gas.....	23 65	
	393	Taylor & LeFurge.....	Repairs.....	8 77	
	394	C. W. Minard.....	Repairs.....	20 25	
	395	Henry T. Coe.....	Printing.....	51 20	
	396	Commer Manufacturing Co.....	Furniture.....	30 00	
	397	P. W. Carpenter & Co.....	Insurance.....	249 00	
	398	Mrs. Fanny Butler.....	Contingent.....	11 50	
	399	Henry A. Harmon.....	Contingent.....	3 65	
					2,067 97
Sept. 13	400	Pay roll for August.....	Salaries.....	\$270 00	
	401	Henry Nieman.....	Repairs.....	8 00	
	402	John McFarlane.....	Supplies.....	29 41	
	403	Lansing Iron & Engine Works.....	Repairs.....	8 40	
	404	E. L. Hough.....	Apparatus.....	16 10	
	405	Standard Oil Co.....	Fuel oil.....	128 06	
	406	Globe Furniture Co.....	Repairs.....	2 00	
	407	C. W. Rogers.....	Supplies.....	14 25	
	408	C. W. Rogers.....	Tr. school supplies.....	2 00	
		Amount carried forward.....		\$478 22	\$2,546 96



## STATE BOARD OF EDUCATION.

## EXHIBIT C.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
Sept. 18	409	Amount brought forward.....		\$478 22	\$2,532 96
		O. E. Thompson & Sons.....	Repairs.....	46 85	
		Detroit News Co.....	Supplies.....	13 40	
		J. M. B. Sill.....	Express.....	21 75	
		J. M. B. Sill.....	Supplies.....	2 50	
		Richmond & Backus.....	Supplies.....	35 50	
		L. C. Snell.....	Fuel.....	640 00	
		J. M. B. Sill.....	Extra labor.....	34 18	
		Ginn & Co.....	Supplies.....	165 60	
		J. L. Harlow.....	Repairs.....	22 50	
		Richmond & Backus.....	Supplies.....	81 20	
		M. T. Woodruff.....	Printing.....	14 95	
		J. M. B. Sill.....	Telephone.....	1 00	
		A. H. Andrews.....	Repairs.....	7 50	
		L. C. Snell.....	Fuel.....	480 00	
		Oct. 28	422½	Smith & Osband.....	Printing.....
September pay roll.....	Salaries.....			4,454 50	
Smith & Osband.....	Printing.....			101 35	
Com. Electric Co.....	Apparatus.....			12 73	
W. W. Worden.....	Repairs.....			238 80	
J. M. B. Sill.....	Contingent.....			1 55	
John MacFarlane.....	Text-books.....			50	
Standard Oil Co.....	Fuel.....			96 13	
John Brennan & Co.....	Supplies.....			80 00	
Michigan Bell Telephone Co.....	Telephone.....			1 60	
George D. Mussey.....	Supplies.....			5 00	
J. M. B. Sill.....	Repairs.....			5 07	
Com. Electric Co.....	Apparatus.....			29 70	
Taylor & LeFurge.....	Supplies.....			24 69	
October pay roll.....	Salaries.....			4,512 00	
S. Hawkrigde.....	Apparatus.....			10 00	
Ypsilanti Gas Co.....	Gas.....			16 20	
Glanfield Bros.....	Repairs.....			185 79	
Detroit News Co.....	Supplies.....			18 42	
Tel. & Tel. Construction Co.....	Telephone.....			12 00	
F. H. Pease.....	Printing.....			14 81	
J. M. B. Sill.....	Express.....			8 85	
H. D. Edwards & Co.....	Repairs.....			24 25	
Peninsular Paper Co.....	Tr. school supplies.....			20 80	
Detroit News Co.....	Supplies.....			11 16	
A. E. Foote.....	Museum.....			22 65	
Henry T. Coe.....	Printing.....			28 00	
Harding & Shafer.....	Repairs.....			111 98	
J. M. B. Sill.....	Supplies.....			8 10	
J. M. B. Sill.....	Extra labor.....			37 75	
Harding & Shafer.....	Repairs.....			48 20	
Winn & Hammond.....	Repairs.....			105 20	
Frank Smith.....	Supplies.....			50 21	
Nov. 28	455	E. P. Rorison.....	Contingent.....	\$15 00	10,833 89
		J. M. B. Sill.....	Extra labor.....	32 29	
		J. M. B. Sill.....	Contingent.....	4 29	
		J. M. B. Sill.....	Freight and express.....	2 50	
		J. M. B. Sill.....	Supplies.....	23 75	
		J. M. B. Sill.....	Repairs.....	10 89	
		C. N. Ellis.....	Repairs.....	14 87	
		L. E. Bissell.....	Repairs.....	6 00	
		Frank Smith.....	Tr. school supplies.....	29 89	
		Frank Smith.....	Tr. school supplies.....	12 12	
		Richmond & Backus Co.....	Supplies.....	12 20	
		Richards & Co.....	Apparatus.....	15 42	
		Frank Potter.....	Pianos.....	29 50	
		Eberbach Drug & Chemical Co.....	Museum.....	5 88	
		Thos. Charles Co.....	Tr. school supplies.....	128 98	
		Estate of Rice A. Beal.....	Repairs.....	5 00	
		Smith & Osband.....	Printing.....	6 50	
		C. F. Evans.....	Repairs.....	9 50	
		Standard Oil Co.....	Fuel oil.....	256 89	
		Taylor & LeFurge.....	Repairs.....	1 45	
		Ypsilanti Gas Co.....	Gas.....	34 80	
		L. C. Snell.....	Fuel oil.....	28 00	
		O. E. Thompson & Son.....	Contingent.....	60 90	
		Henry T. Coe.....	Tr. school supplies.....	6 05	
		W. A. Olmstead & Co.....	Tr. school supplies.....	11 76	
		Arthur B. Cram.....	Contingent.....	94 90	
		Amount carried forward.....			

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT C.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
		Amount brought forward.....			\$15,720 83
Dec. 29	480	November pay roll .....	Salaries.....	\$4,357 00	
	481	December pay roll.....	Salaries.....	4,367 00	
	482	City of Ypsilanti.....	Water.....	161 00	
	483	Peninsular Paper Co.....	Supplies.....	8 00	
	484	A. H. Andrews & Co.....	Supplies.....	9 90	
	485	John Bibb.....	Contingent.....	13 00	
	486	Ypsilanti Paper Co.....	Fuel.....	4 97	
	487	Prang Educational Co.....	Tr. school supplies.....	11 32	
	488	Robbins & Edwards.....	Repairs.....	31 33	
	489	Franklin Educational Co.....	Natural Science Dept.....	58 40	
	490	Taylor & LeFurge.....	Repairs.....	2 91	
	491	Henry T. Coe.....	Printing.....	39 25	
	492	Harding & Shaefer.....	Repairs.....	46 30	
	493	E. P. Borison.....	Contingent.....	45 00	
	494	Ypsilanti postoffice.....	Postage.....	35 32	
	495	Standard Oil Co.....	Fuel.....	362 22	
	496	Homer Briggs.....	Freight and exprees.....	20 59	
	497	T. Jay Haynes.....	Museum.....	25 00	
	498	W. W. Worden.....	Repairs.....	20 00	
	499	C. F. Enders.....	Apparatus.....	36 00	
	500	Cummer Manufacturing Co.....	Furniture.....	75 00	
	501	J. M. B. Sill.....	Repairs.....	12 86	
	502	Henry T. Coe.....	Tr. school supplies.....	6 75	
	503	C. F. Enders.....	Repairs.....	17 65	
	504	F. K. Rexford & Sons.....	Tr. school supplies.....	8 55	
	505	C. F. Enders.....	Furniture.....	15 00	
	506	C. F. Enders.....	Tr. school supplies.....	10 00	
	507	News and Express.....	Printing.....	20 00	
	508	Bausch & Lomb Opt. Co.....	Museum.....	389 13	
	509	J. B. Lippincott & Co.....	Museum.....	12 00	
	510	A. B. Covert.....	Museum.....	13 80	
	512	W. H. Sherzer.....	Contingent.....	3 80	
	513	Geo. E. Herrick.....	Insurance.....	60 00	
	514	Cummer Manufacturing Co.....	Furniture.....	325 00	
	515	Ward's Nat. Science estab.....	Museum.....	16 00	
	516	Narragansett Mch. Co.....	Museum.....	18 25	
	517	F. K. Rexford & Sons.....	Supplies.....	150 81	
	518	Harding & Shaefer.....	Repairs.....	151 50	
	519	Smith & Osband.....	Tr. school supplies.....	13 00	
	520	P. F. Powers.....	Contingent.....	200 00	
	521	F. R. Gorton.....	Museum.....	10 00	
	522	Ypsilanti Gas Co.....	Gas.....	56 22	
	523	Calvert Lith. Co.....	Diplomas.....	82 50	
	524	Frank Smith.....	Supplies.....	10 00	
	525	Richmond & Backus Co.....	Supplies.....	26 88	
	526	Smith & Osband.....	Printing.....	16 50	
	527	Harding & Shaefer.....	Repairs.....	9 80	
	528	Ypsilanti Gas Co.....	Gas.....	29 70	
	529	W. J. Bostwick, Supt.....	Alterations and repairs.....	62 40	
	530	J. M. B. Sill.....	Extra labor.....	31 00	
	531	J. M. B. Sill.....	Supplies.....	6 22	
	532	J. M. B. Sill.....	Telephone.....	1 00	
	533	J. M. B. Sill.....	Express.....	2 15	
	534	C. F. Enders.....	Repairs.....	64 00	
	535	E. A. Strong.....	Apparatus.....	65 25	
	536	Geo. E. Herrick.....	Insurance.....	60 00	
	538	Oakland Co. Post.....	Printing.....	64 25	
	539	J. M. B. Sill.....	Contingent.....	7 45	
	540	Glanfield Bros.....	Alteration.....	500 00	
	541	Glanfield Bros.....	Alteration.....	1,000 00	
	542	Glanfield Bros.....	Alteration.....	102 00	
	543	J. M. B. Sill.....	Contingent.....	500 00	
	544	Francis L. Stewart, clerk.....	Fees returned.....	265 00	
1893					
Jan. 31	1	Pay roll.....	Salaries.....	\$4,367 00	14,125 96
Feb. 18	2	Standard Oil Co.....	Fuel.....	\$105 23	4,367 00
	3	Winn & Hammond.....	Repairs.....	3 75	
	4	Smith & Osband.....	Printing.....	3 00	
	5	Clayton, Lambert & Co.....	Repairs.....	169 88	
	6	Tel. & Tel. Construction Co.....	Telephone.....	12 00	
	7	Eberbach & Son.....	Apparatus.....	17 80	
	8	Eberbach & Son.....	Apparatus.....	228 28	
Amount carried forward.....				\$539 44	\$34,213 78

## STATE BOARD OF EDUCATION.

## EXHIBIT C.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
		Amount brought forward.....		\$539 44	\$34,213 76
Feb. 18	9	Eberbach & Son .....	Apparatus .....	37 25	
	10	Eberbach & Son .....	Apparatus .....	91 50	
	11	Eberbach & Son .....	Apparatus .....	124 20	
	12	David Edwards .....	Extra labor .....	85 00	
	13	Richmond & Backus Co. ....	Supplies .....	1 00	
	14	Mack & Mack .....	Repairs .....	33 25	
	15	W. W. Worden .....	Repairs .....	6 50	
	16	Ypsilanti Gas Co. ....	Gas .....	16 90	
	17	E. P. Rorison .....	Repairs .....	23 50	
	18	J. M. B. Sill .....	Use of line .....	8 54	
	19	J. M. B. Sill .....	Diplomas .....	4 75	
	20	J. M. B. Sill .....	Repairs .....	11 50	
	21	J. M. B. Sill .....	Fuel .....	140 61	
	22	J. M. B. Sill .....	Supplies .....	9 28	
	23	J. M. B. Sill .....	Express .....	20 96	
	24	J. M. B. Sill .....	Extra labor .....	13 90	
	25	S. H. Dodge .....	Repairs .....	3 50	
	26	C. King & Co. ....	Supplies .....	11 14	
	27	E. A. Strong .....	Contingent .....	4 49	
	28	Ypsilanti Gas Co. ....	Gas .....	66 15	
	29	C. W. Rogers .....	Supplies .....	47 60	
	30	Peninsular Paper Co. ....	Supplies .....	19 60	
	31	Clayton, Lambert Co. ....	Repairs .....	58 40	
	32	L. C. Mason .....	Training school supplies ..	2 50	
	33	Ginn & Co. ....	Supplies .....	8 67	
	34	Bausch & Lomb Opt. Co. ....	Apparatus .....	7 50	
	35	August Moeller .....	Organ .....	30 00	
	36	Calvert Lith. & Eng. Co. ....	Diplomas .....	6 00	
	37	W. A. Olmstead .....	Supplies .....	3 25	
	38	Franklin Educational Co. ....	Supplies .....	40 00	
	39	Narragansett Mach. Co. ....	Supplies .....	3 80	
	40	Standard Oil Co. ....	Fuel .....	2 00	
	41	Standard Oil Co. ....	Fuel .....	519 85	
	42	Standard Oil Co. ....	Fuel .....	65 65	
	43	Pay roll .....	Salaries .....	4,367 00	
					6,366 17
Mar. 31	44	J. M. B. Sill .....	Extra labor .....	\$21 93	
	45	J. M. B. Sill .....	Express .....	5 50	
	46	J. M. B. Sill .....	Telephone .....	5 47	
	47	J. M. B. Sill .....	Contingent .....	17 85	
	48	J. M. B. Sill .....	Supplies .....	6 50	
	49	J. M. B. Sill .....	Extra labor .....	41 55	
	50	Clayton, Lambert & Co. ....	Repairs .....	60 70	
	51	Hilda Lodeman .....	Contingent .....	50 00	
	52	C. F. Enders .....	Supplies .....	36 58	
	53	Winn & Hammond .....	Supplies .....	100 00	
	54	Ypsilanti Gas Co. ....	Gas .....	48 30	
	55	Peninsular Paper Co. ....	Supplies .....	16 96	
	56	Glanfield Bros. ....	Extra labor .....	257 01	
	57	Standard Oil Co. ....	Fuel .....	723 80	
	58	Harding & Shaefer .....	Repairs .....	19 96	
	59	Harding & Shaefer .....	Repairs .....	12 00	
	60	Harding & Shaefer .....	Repairs .....	14 18	
	61	Harding & Shaefer .....	Repairs .....	10 89	
					1,448 17
Apr. 13	62	Pay roll .....	Salaries .....	4,367 00	
					4,367 00
May 4	63	O. E. Thompson & Sons .....	Supplies .....	\$3 68	
	64	Cadillac News & Express .....	Supplies .....	15 00	
	65	F. J. Schleede .....	Repairs .....	34 16	
	66	Perry F. Trowbridge .....	Salary .....	65 00	
	67	W. E. Dunning .....	Supplies .....	12 00	
	68	Richmond & Backus Co. ....	Supplies .....	18 00	
	69	Koch & Henna .....	Supplies .....	9 75	
	70	Commercial Electric Co. ....	Apparatus .....	4 08	
	71	J. M. B. Sill .....	Repairs .....	4 00	
	72	J. M. B. Sill .....	Extra labor .....	59 23	
	73	J. M. B. Sill .....	Supplies .....	13 02	
	74	J. M. B. Sill .....	Express .....	7 40	
	75	J. M. B. Sill .....	Extra labor .....	14 85	
	76	B. Westerman & Co. ....	Supplies .....	26 58	
	77	Ypsilanti Gas Co. ....	Gas .....	43 50	
	78	Tel. & Tel. Construction Co. ....	Telephone .....	12 00	
		Amount carried forward .....		\$341 83	\$46,400 12

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT C.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
		Amount brought forward.....		\$341 83	\$46,409 10
May 4	79	Thomas Charles Co.....	Kindergarten supplies.....	132 84	
	80	Standard Oil Co.....	Fuel.....	212 41	
	81	Pay roll for April.....	Salaries.....	4,392 00	
31	82	J. M. B. Sill.....	Telegrams.....	4 76	
	83	J. M. B. Sill.....	Express.....	4 80	
	84	J. M. B. Sill.....	Extra labor.....	29 15	
	85	J. M. B. Sill.....	Supplies.....	33 25	
	86	Smith & Osband.....	Printing.....	36 00	
	87	Peninsular Paper Co.....	T. S. supplies.....	7 84	
	88	Standard Oil Co.....	Fuel.....	78 80	
	89	Frank Potter.....	Repairs.....	23 00	
	90	Calvert Lith & Eng. Co.....	Diplomas.....	133 75	
	91	Peninsular Paper Co.....	Supplies.....	14 96	
	92	Ypsilanti Gas Co.....	Gas.....	22 95	
	93	Hilda Lodeman.....	Extra labor.....	6 00	
	94	Eberbach Chemical Co.....	Apparatus.....	17 20	
	95	Lansing Printing Co.....	Supplies.....	6 40	
	96	Henry T. Coe.....	Supplies.....	1 60	
	97	A. B. Covert.....	Museum.....	27 60	
	98	E. S. Greely & Co.....	Apparatus.....	5 03	
	99	Pay roll for May.....	Salaries.....	4,467 00	
	100	Bausch & Lomb. Opt. Co.....	Apparatus.....	6 00	
	101	Bausch & Lomb. Opt. Co.....	Apparatus.....	7 20	
	102	J. B. Crook & Co.....	Apparatus.....	4 54	
					10,021 81
June 30	103	Pay roll for June.....	Salaries.....	\$4,467 00	
	104	C. King & Co.....	Supplies.....	8 05	
	105	C. F. Enders.....	Supplies.....	1 75	
	106	Stewart & Moon.....	Supplies.....	8 30	
	107	Hilda Lodeman.....	Extra labor.....	39 75	
	108	Henry T. Coe.....	Supplies.....	6 50	
	109	H. R. Pattengill.....	Advertising.....	25 00	
	110	C. C. Vroman.....	Extra labor.....	20 00	
	111	Smith & Osband.....	Printing.....	85 25	
	112	Frank Smith.....	Supplies.....	10 63	
	113	Austin George.....	T. S. supplies.....	5 15	
	114	Frank Smith.....	Supplies.....	34 51	
	115	Homer Briggs.....	Freight.....	25 43	
	116	J. M. B. Sill.....	Supplies.....	14 68	
	117	J. M. B. Sill.....	Contingent.....	91 54	
	118	J. M. B. Sill.....	Extra labor.....	32 90	
	119	Taylor & LeFurge.....	Supplies.....	21 52	
	120	Smith & Osband.....	Printing.....	347 10	
	121	F. K. Rexford & Sons.....	Supplies.....	9 75	
	122	Ypsilanti Gas Co.....	Gas.....	37 05	
	123	Glanfield Bros.....	Repairs.....	161 85	
	124	D. A. Hammond.....	Contingent.....	200 00	
	125	Frances L. Stewart, clerk.....	Fees refunded.....	365 00	
	126	Harding & Shaefer.....	Supplies.....	9 87	
	127	Henry T. Coe.....	Printing.....	34 50	
	128	W. B. Saunders.....	Extra labor.....	5 00	
	129	Follmer & Scovill.....	Supplies.....	18 81	
	130	Ladies Library Association.....	Contingent.....	214 00	
					6,250 94
Feb. 18		Transferred to library.....			\$62,681 87
					600 00
		Total credits to current expense for fiscal year.....			\$63,281 87
		Balance to new account.....			9,999 21
					\$73,281 08
		Deduct transfers.....			600 00
					\$72,681 08
		Total, less transfers.....			

## STATE BOARD OF EDUCATION.

## EXHIBIT C.—CONTINUED.

## II. SPECIAL PURPOSES—LIBRARY.

Date.	No. of voucher.	Payee.	Amount.	Totals.
1892				
July 7	39 B	John MacFarlane	\$47 99	
Aug. 24	43 B	D. Appleton & Co.	6 00	
	44 B	John MacFarlane	130 74	
	45 B	E. A. Strong	12 00	
Sept. 12	47 B	John MacFarlane	77 55	
Oct. 28	52 B	John MacFarlane	24 98	
	53 B	E. A. Strong	45 27	
	54 B	D. Appleton & Co.	30 00	
	55 B	John MacFarlane	48 87	
	56 B	John MacFarlane	113 22	
Nov. 1	57 B	Winn & Hammond	35 00	
	58 B	John MacFarlane	48 11	
	59 B	John MacFarlane	37 50	
Dec. 31	60 B	John MacFarlane	37 40	
	61 B	John MacFarlane	37 20	
	62 B	Withdrawn, see voucher 52		
	63 B	John MacFarlane	21 98	
1893				
Feb. 18	1 B	John MacFarlane	90 39	
	2 B	John MacFarlane	13 10	
	3 B	John MacFarlane	14 50	
	4 B	John MacFarlane	5 63	
	5 B	John MacFarlane	15 45	
	6 B	Eaton, Lyon & Co.	75 99	
	7 B	Richmond & Backus Co.	5 00	
	8 B	A. H. Roffe & Co.	7 65	
Mar. 24	13 B	Henry Barnard	16 50	
	14 B	H. Williams	8 77	
	15 B	H. Williams	96	
	12 B	A. H. Roffe & Co.	1 75	
	11 B	A. H. Roffe & Co.	2 50	
	9 B	John MacFarlane	5 20	
May 4	10 B	John MacFarlane	25 63	
	16 B	A. H. Roffe & Co.	8 45	
	17 B	Library Bureau	7 30	
	18 B	American Book Co.	8 33	
	19 B	Eaton, Lyon & Co.	34 20	
	20 B	Eaton, Lyon & Co.	28 68	
	21 B	Eaton, Lyon & Co.	113 65	
	22 B	Eaton, Lyon & Co.	17 89	
	23 B	Eaton, Lyon & Co.	62 22	
	24 B	The School Review	1 50	
May 31	25 B	Eaton, Lyon & Co.	30 11	
	26 B	Eaton, Lyon & Co.	47 91	
	27 B	A. H. Webber	18 00	
	28 B	B. Westerman & Co.	8 45	
June 30	29 B	D. Appleton & Co.	6 00	
	30 B	John MacFarlane	22 63	
	31 B	Eaton, Lyon & Co.	41 59	
		Total credits for library	\$1,532 74	
		Balance on hand	74 47	
				\$1,607 21

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT C.—CONTINUED.

II. BUILDING.				
Date.	No. of voucher.	Payee.	Amount.	Totals.
1893				
Aug. 24	40 B	Glanfield Brothers.....	\$1,280 78	
	41 B	Glanfield Brothers.....	1,105 00	
	42 B	Glanfield Brothers.....	1,755 25	
	46 B	Glanfield Brothers.....	1,500 00	
Sept. 1	48 B	Glanfield Brothers.....	1,558 97	
Oct. 23	50 B	Arthur B. Cram.....	800 00	
Dec. 29	64 B	Chas. A. Norton.....	3 25	
	65 B	Clayton Lambert & Co.....	33 78	
		Total credits for building.....	\$7,537 08	
		Balance on hand for building.....	17	
		Total for building and special purposes.....		\$7,537 20
		Current expense.....		9,144 41
				72,681 06
		Total for all purposes.....		\$81,325 49

## EXHIBIT D.

David A. Hammond, Treasurer, Cr., for fiscal year ended June 30, 1894.

## I. CURRENT EXPENSE.

Date.	No. of voucher.	Payee.	For what object.	Amount.	Totals.
1893					
July 31	131	Ypsilanti Bd. Pub. Works.....	Water.....	\$150 00	
	132	Frances L. Stewart.....	Advertising.....	99 80	
	133	Frances L. Stewart.....	Express.....	3 15	
	134	Frances L. Stewart.....	Supplies.....	55 65	
	135	Cadillac News & Express.....	Printing.....	67 50	
	136	Department Public Instruction.....	Postage.....	150 00	
	137	A. M. Emery.....	Supplies.....	4 50	
	138	Darius D. Thorp.....	Supplies.....	9 00	
	139	Pay roll for July.....	Salaries.....	\$11 68	
	140	W. W. Worden.....	Repairs.....	19 79	
	141	Ypsilanti Machine Works.....	Apparatus.....	3 43	
	142	Tel. & Teleg. Const. Co.....	Telephone.....	12 00	
	143	Schuh & Muehlig.....	Laboratory supplies.....	5 50	
	144	Calvert Lith. & Eng. Co.....	Diplomas.....	9 00	
	145	Ypsilanti Gas Co.....	Gas.....	24 75	
	146	E. M. Comstock & Co.....	Supplies.....	4 54	
	147	Richmond & Backus Co.....	Printing.....	7 50	
	148	August Moeller.....	Organ.....	25 00	
					\$962 77
Aug. 31	149	Pay roll for August.....	Salaries.....	\$311 68	
	150	Taylor & LeFurge.....	Repairs.....	102 49	
	151	W. W. Osband.....	Printing.....	12 50	
	152	T. C. Judd.....	Repairs.....	23 00	
	153	Goodspeed & Judd.....	Repairs.....	167 40	
	154	Mack & Mack.....	Repairs.....	50 00	
	155	Richmond & Backus Co.....	Printing.....	10 25	
	156	S. J. Remington.....	Repairs.....	9 50	
	157	Ernest P. Goodrich.....	Advertising.....	25 00	
	158	Frances L. Stewart, clerk.....	Advertising.....	78 88	
	159	C. E. Russell.....	Insurance.....	12 60	
	160	Calvert Lith. & Eng. Co.....	Diplomas.....	97 50	
	161	A. C. Varney & Co.....	Contingent.....	20 45	
	162	Frances L. Stewart, clerk.....	Contingent.....	14 90	
	163	Frances L. Stewart, clerk.....	Contingent.....	42 71	
					\$18 84
		Amount carried forward.....			\$1,881 61

## STATE BOARD OF EDUCATION.

## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
		Amount brought forward.....			\$1,881 61
1898 Sept. 25	164	F. K. Baxford & Sons.....	Supplies.....	\$210 00	
	165	C. F. Enders.....	Supplies.....	1 85	
	166	Richmond & Backus Co.....	Supplies.....	63 00	
	167	E. A. Strong.....	Museum.....	9 00	
	168	Coe & Smith.....	Printing.....	2 75	
	169	Peninsular Paper Co.....	Supplies.....	28 58	
	170	Lawton & Co.....	Supplies.....	12 11	
	171	Scharf Tag, Label & Box Co.....	Supplies.....	3 50	
	172	E. T. Barnum.....	Repairs.....	9 75	
	173	Cadillac News & Express.....	Advertising.....	15 70	
	174	Gillis & Gleason.....	Apparatus.....	1 06	
	175	Gillis & Gleason.....	Apparatus.....	18 75	
	176	Principal, E. G. Boone.....	Contingent.....	59 38	
	177	Principal, E. G. Boone.....	Advertising.....	12 00	
	178	Clayton Lambert Co.....	Repairs.....	17 82	
					458 23
Oct. 19	179	Pay roll for September.....	Salaries.....	\$4,648 66	
	180	Frank Smith.....	Supplies.....	41 78	
	181	Frank Smith.....	Tr. Sch. supplies.....	22 00	
	182	Frank Smith.....	Supplies.....	5 80	
	183	F. W. Gianfield.....	Repairs.....	29 30	
	184	F. W. Gianfield.....	Fuel appa.....	250 00	
	185	R. G. Boone.....	Supplies.....	32 35	
	186	R. G. Boone.....	Express.....	5 55	
	187	R. G. Boone.....	Bi. Laboratory.....	3 30	
	188	R. G. Boone.....	Extra labor.....	6 75	
	189	R. G. Boone.....	Contingent.....	44 80	
	190	R. G. Boone.....	Advertising.....	9 06	
	191	Franklin Ed. Co.....	Apparatus.....	51 78	
	192	Ypsilanti Gas Co.....	Gas.....	31 96	
	193	Calvert Lith. & Eng. Co.....	Supplies.....	26 50	
	194	W. M. Osband.....	Printing.....	25 25	
	195	Thomas Charles Co.....	Supplies.....	55 68	
	196	W. A. Olmsted.....	Apparatus.....	69 74	
	197	T. C. Judd.....	Repairs.....	23 43	
	198	W. W. Worden.....	Repairs.....	192 27	
	199	Cleveland Sch. Furni. Co.....	Supplies.....	9 75	
	200	Marine Bi. Laboratory.....	Bi. Lab. supplies.....	40 60	
	201	Standard Oil Co.....	Fuel.....	100 28	
					5,729 78
Nov. 15	202	Pay roll for October.....	Salaries.....	\$4,648 66	
	203	C. S. Wortley & C. E. King.....	Lots for gymnasium.....	1,500 00	
	204	Ypsilanti Electric Co.....	Electric lighting.....	200 00	
	205	W. M. Osband.....	Printing.....	10 45	
	206	Richmond & Backus Co.....	Supplies.....	12 50	
	207	E. G. Boone.....	Bi. Laboratory supplies.....	12 70	
	208	Scharf Tag, Label & Box Co.....	Supplies.....	14 15	
	209	Homer Briggs.....	Freight and express.....	22 15	
	210	C. W. Rogers.....	Supplies.....	40 45	
	211	C. W. Rogers.....	Tr. Sch. supplies.....	2 00	
	212	C. F. Enders.....	Repairs.....	68 50	
	213	J. T. McIntire.....	Fuel.....	3 75	
	214	Coe & Smith.....	Printing.....	7 50	
	215	Ypsilanti Gas Co.....	Gas.....	39 15	
	216	W. H. Sherzer.....	Bi. Laboratory.....	9 01	
	217	Bausch & Lomb. Opt. Co.....	Bi. Laboratory.....	116 28	
	218	J. L. Harlow.....	Repairs.....	9 00	
	219	Tel. & Tel. Const. Co.....	Telephone.....	13 00	
	220	Stewart & Moon.....	Supplies.....	10 88	
	221	E. P. Goodrich.....	Extra labor.....	3 00	
	222	T. S. & J. D. Negrus.....	Phys. Laboratory.....	38 00	
	223	Ward's Nat. Sci. Etab.....	Bi. Laboratory.....	6 74	
	224	W. W. Worden.....	Repairs.....	12 67	
	225	The Aurora.....	Advertising.....	15 00	
	226	Peninsular Paper Co.....	Supplies.....	1 60	
	227	Peninsular Paper Co.....	Tr. Sch. supplies.....	15 28	
	228	Commercial Electric Co.....	Apparatus.....	6 44	
	229	Commercial Electric Co.....	Apparatus.....	5 58	
	230	Harding & Shaefer.....	Supplies.....	4 83	
	231	Harding & Shaefer.....	Supplies.....	22 44	
	232	Harding & Shaefer.....	Bi. Laboratory.....	32 00	
	233	R. G. Boone.....	Telephone.....	4 10	
	234	R. G. Boone.....	Supplies.....	1 20	
		Amount carried forward.....		\$7,295 17	\$8,069 62

# REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
1893		Amount brought forward.....		\$7,295 17	\$8,989 62
Nov. 15	235	R. G. Boone.....	Advertising.....	5 50	
	236	R. G. Boone.....	Express.....	5 45	
	237	R. G. Boone.....	Contingent.....	36 90	
	238	R. G. Boone.....	Extra labor.....	27 70	7,870 72
Dec. 80	239	Pay roll for November.....	Salaries.....	\$4,648 66	
	240	Pay roll for December.....	Salaries.....	4,648 66	
	241	Cambridge Bot. Sup. Co.....	Bi. Laboratory.....	14 95	
	242	American Book Co.....	Tr. School supplies.....	3 75	
	243	Thomas Charles Co.....	Tr. School supplies.....	4 80	
	244	Standard Oil Co.....	Fuel.....	430 45	
	245	Eberbach Drug & Chem. Co.....	Laboratory.....	12 05	
	246	Peninsular Paper Co.....	Supplies.....	15 12	
	247	Clayton Lambert & Co.....	Repairs.....	42 52	
	248	W. W. Worden.....	Supplies.....	25 55	
	249	Gd. Rapids Sch. Fur. Co.....	Supplies.....	10 25	
	250	Mack & Mack.....	Supplies.....	44 00	
	251	M. S. Hall.....	Repairs.....	17 95	
	252	Peninsular Paper Co.....	Supplies.....	1 80	
	253	David A. Hammond.....	Contingent.....	200 00	
	254	D. E. McClure.....	Bd. Visitors.....	30 48	
	255	Standard Oil Co.....	Fuel.....	159 76	
	256	Ypsilanti Electric Co.....	Lighting.....	100 00	
	257	Henry H. Shufeldt & Co.....	Bi. Laboratory.....	15 41	
	258	Standard Oil Co.....	Fuel.....	202 30	
	259	Franklin Ed. Co.....	Laboratory.....	1 48	
	260	Frank Potter.....	Organ.....	22 50	
	261	Luther C. Mason.....	Supplies.....	7 00	
	262	O. E. Thompson & Sons.....	Fuel.....	30 00	
	263	R. G. Boone.....	Supplies.....	11 07	
	264	R. G. Boone.....	Express.....	5 45	
	265	R. G. Boone.....	Printing.....	3 00	
	266	R. G. Boone.....	Extra labor.....	51 99	
	267	F. W. Glanfield.....	Repairs.....	344 18	
	268	F. W. Glanfield.....	Repairs.....	18 15	
	269	John McConn.....	Bi. Laboratory.....	20 00	
	270	Ypsilanti Gas Co.....	Repairs.....	10 60	
	271	Stewart & Moon.....	Supplies.....	26 65	
	272	August Moeller.....	Organ.....	25 00	
	273	City of Ypsilanti.....	Water.....	150 00	
	274	Ypsilanti Gas Co.....	Gas.....	30 90	
	275	Richmond & Backus Co.....	Supplies.....	18 95	
	276	Frances L. Stewart.....	Fees refunded.....	255 00	11,080 12
Jan. 26	277	Pay roll for January.....	Salaries.....	\$4,648 66	
	278	R. G. Boone.....	Express.....	4 60	
	279	R. G. Boone.....	Supplies.....	17 70	
	280	R. G. Boone.....	Contingent.....	5 10	
	281	R. G. Boone.....	Extra labor.....	35 76	
	282	Ward's Nat. Sci. Estab.....	Museum.....	72 00	
	283	Peninsular Paper Co.....	Supplies.....	14 80	
	284	Queen & Co.....	Apparatus.....	6 50	
	285	Ypsilanti Electric Co.....	Electric lights.....	35 89	
	286	F. J. Schleede.....	Repairs.....	35 25	
	287	F. J. Schleede.....	Repairs.....	10 40	
	288	Harding & Shaefer.....	Repairs.....	115 22	
	289	Eberbach Drug & Chem. Co.....	Bi. Laboratory.....	19 97	
	290	Tel. & Tel. Const. Co.....	Telephone.....	12 00	
	291	Richmond & Backus Co.....	Supplies.....	2 75	
	292	Coe & Smith.....	Printing.....	20 90	
	293	Wallace & Clark.....	Supplies.....	4 50	
	294	C. King & Co.....	Supplies.....	7 00	
	295	Ypsilanti Gas Co.....	Gas.....	46 05	
	296	Peninsular Paper Co.....	Supplies.....	22 00	
	297	Clayton Lambert & Co.....	Supplies.....	14 45	
	298	Scharf Tag, Label & Box Co.....	Supplies.....	4 37	
	299	Standard Oil Co.....	Fuel.....	168 26	
	300	Standard Oil Co.....	Fuel.....	99 93	
	301	R. G. Boone.....	Telegrams.....	4 98	
	302	Tom J. G. Bolt.....	Visitor.....	27 60	5,456 64
Amount carried forward.....					\$32,557 10



## STATE BOARD OF EDUCATION.

## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
1894		Amount brought forward...			\$32,557 10.
Mar. 1	303	Pay roll for February.....	Salaries.....	\$4,678 66	
	304	F. J. Schleeds.....	Repairs.....	34 00	
	305	C. W. Rogers.....	Supplies.....	3 00	
	306	Beakes & Hammond.....	Printing.....	8 00	
	307	Marshall D. Ewell.....	Apparatus.....	9 00	
	308	Franklin Ed. Co.....	Apparatus.....	72 10	
	309	Ypsilanti Electric Co.....	Electric lights.....	8 29	
	310	W. E. Heames & Co.....	Repairs.....	62 00	
	311	Richmond & Backus Co.....	Contingent.....	15 00	
	312	Ypsilanti Gas Co.....	Gas.....	53 70	
	313	D. M. Ferry & Co.....	Supplies.....	5 70	
	314	Ferrie S. Fitch.....	Contingent.....	95 65	
	315	Ward's Nat. Sci. Estab.....	Contingent.....	288 00	
	316	Standard Oil Co.....	Fuel.....	176 81	
	317	McIntosh Battery & Opt. Co.....	Apparatus.....	31 84	
	318	Bausch & Lamb. Opt. Co.....	Apparatus.....	8 25	
	319	Coe & Smith.....	Printing.....	88 60	
	320	Eberbach Drug & Chemical Co.....	Supplies.....	1 55	
	321	Solar Refining Co.....	Fuel.....	301 55	
	322	Solar Refining Co.....	Fuel.....	101 14	
	323	Solar Refining Co.....	Fuel.....	100 98	
	324	R. G. Boone.....	Contingent.....	23 00	
	325	R. G. Boone.....	Contingent.....	51 12	
	326	R. G. Boone.....	Contingent.....	12 05	
	327	R. G. Boone.....	Supplies.....	22 05	
	328	Peninsular Paper Co.....	Supplies.....	32 64	
Apr. 1	329	Pay roll for March.....	Salaries.....	\$4,728 66	6,224 68.
	330	R. G. Boone.....	Supplies.....	4 56	
	331	R. G. Boone.....	Extra labor.....	32 31	
	332	R. G. Boone.....	Contingent.....	6 00	
	333	R. G. Boone.....	Telegrams.....	7 07	
	334	W. & L. E. Gurley.....	Repairs.....	14 00	
	335	Library Bureau.....	Supplies.....	25 45	
	336	Frank A. Norton.....	Extra labor.....	9 25	
	337	Ward Nat. Sci. Estab.....	Laboratory.....	4 50	
	338	A. C. McClurg & Co.....	Supplies.....	13 71	
	339	Eberbach Drug & Chem. Co.....	Laboratory.....	1 22	
	340	C. F. Enders.....	Repairs.....	55 65	
	341	Richmond & Backus Co.....	Supplies.....	18 00	
	342	Geo. B. Hammond.....	Fuel.....	66 38	
	343	Coe & Smith.....	Printing.....	52 95	
	344	Peninsular Paper Co.....	Supplies.....	62 56	
	345	Ernest P. Goodrich.....	Contingent.....	7 65	
	346	Tel. & Tel. Const. Co.....	Telephone.....	12 00	
	347	Taylor & LaFurge.....	Repairs.....	24 74	
	348	F. A. Barbour.....	Contingent.....	4 05	
	349	Ypsilanti Gas Co.....	Gas.....	35 85	
	350	Ypsilanti Gas Co.....	Gas.....	40 50	
	351	F. W. Glanfield.....	Repairs.....	322 82	
	352	Ypsilanti Electric Co.....	Lights.....	3 52	
	353	Ypsilanti Electric Co.....	Lights.....	2 84	
	354	Solar Refining Co.....	Fuel.....	3 00	
	355	Solar Refining Co.....	Fuel.....	266 56	
	356	Solar Refining Co.....	Fuel.....	201 72	
	357	American Book Co.....	Training Sch. Sup.....	13 73	
	358	Queen & Co.....	Apparatus.....	8 83	
	359	R. G. Boone.....	Extra labor.....	24 59	
	360	R. G. Boone.....	Expenses.....	3 70	
	361	R. G. Boone.....	Supplies.....	4 28	
	362	Peninsular Paper Co.....	Advertising.....	40 00	
	363	Bausch & Lamb Opt. Co.....	Apparatus.....	2 01	
Apr. 26	364	John L. Laidlaw.....	Contingent.....	132 27	
	365	Giles & Gleeson.....	Apparatus.....	55 00	
	366	Giles & Gleeson.....	Apparatus.....	39 11	
	367	Clayton, Lambert & Co.....	Contingent.....	43 15	
	368	R. G. Boone.....	Contingent.....	164 80	
	369	R. G. Boone.....	Express.....	11 00	
	370	Clayton, Lambert & Co.....	Contingent.....	300 00	
	371	F. W. Glanfield.....	Contingent.....	300 00	
Amount carried forward.....				\$7,183 94	\$38,781 78

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
1894		Amount brought forward.....		\$7,188 94	\$38,781 78
	372	F. W. Glanfield.....	Contingent.....	600 00	
	373	Ypsilanti Electric Co.....	Electric lights.....	600 00	
	374	Ypsilanti Electric Co.....	Electric lights.....	2 38	
	374½	F. W. Glanfield.....	Contingent.....	800 00	
					9,186 32
May 17	375	Thomas Charles Co.....	Training school supplies.....	\$177 20	
	376	A. Moeller.....	Organ.....	175 00	
	377	Bausch & Lomb.....	Laboratory.....	11 80	
	378	Phoenix Wire Works.....	Contingent.....	58 08	
	379	E. C. Thompson.....	Visitors.....	23 82	
	380	Ypsilanti Electric Co.....	Electric lights.....	2 12	
	381	Ypsilanti Gas Co.....	Gas.....	25 80	
	382	A. Stuck.....	Extra labor.....	30 13	
	383	Barr & Dates.....	Contingent.....	10 00	
	384	John Laidlaw.....	Contingent.....	98 38	
	385	Oscar O. Sorg.....	Contingent.....	10 00	
	386	John L. Laidlaw.....	Contingent.....	126 25	
	387	Clayton Lambert & Co.....	Repairs.....	17 13	
	388	John L. Laidlaw.....	Contingent.....	63 88	
	389	F. K. Rexford Sons.....	Supplies.....	11 73	
	390	F. E. Wilcox.....	Supplies.....	10 00	
	391	A. Stuck.....	Extra labor.....	44 00	
	392	F. W. Glanfield.....	Contingent.....	26 48	
	393	Richmond & Backus Co.....	Supplies.....	18 00	
	394	F. W. Glanfield.....	Contingent.....	118 54	
	395	F. W. Glanfield.....	Contingent.....	998 35	
	396	Wm. Osband.....	Printing.....	15 25	
	397	Pay roll for April.....	Salaries.....	4,827 41	
					6,884 13
June 7	398	Narragansett Mach. Co.....	Contingent.....	\$1,247 57	
	399	John L. Laidlaw.....	Contingent.....	130 00	
	400	Frank W. Glanfield.....	Contingent.....	980 00	
	401	Frank W. Glanfield.....	Contingent.....	17 37	
	402	John L. Laidlaw.....	Contingent.....	45 00	
	403	Ypsilanti Electric Co.....	Electric lights.....	24 70	
	404	Calvert Lith. and Eng. Co.....	Diplomas.....	150 75	
	405	Burnham, Stoepel & Co.....	Supplies.....	19 76	
	406	W. Hewitt.....	Piano.....	9 00	
	407	Herbert McCutcheon.....	Advertising.....	12 60	
	408	M. T. Woodruff.....	Printing.....	3 00	
	409	F. J. Schleede.....	Repairs.....	52 80	
	410	R. G. Boone.....	Supplies.....	37 06	
	411	R. G. Boone.....	Extra labor.....	20 23	
	412	F. H. Pease.....	Contingent.....	24 80	
	413	R. G. Boone.....	Contingent.....	63 00	
	414	G. G. Boone.....	Express.....	7 70	
	415	Normal News.....	Advertising.....	25 00	
	416	Fred G. Gorton.....	Extra labor.....	9 50	
	417	Ypsilanti Gas Co.....	Gas.....	35 55	
	418	Frank J. Johnson.....	Extra labor.....	12 50	
	419	A. C. McClurg & Co.....	Supplies.....	8 97	
	420	Lamb, Davis & Kishler.....	Supplies.....	12 38	
	421	Pay roll for May.....	Salaries.....	4,903 66	
June 26	422	Peninsular Paper Co.....	Supplies.....	20 64	
	423	R. G. Boone.....	Telephone.....	1 65	
	424	R. G. Boone.....	Contingent.....	7 35	
	425	Clayton Lambert & Co.....	Repairs.....	141 75	
	426	Richmond, Backus & Co.....	Supplies.....	4 25	
	427	Harding & Shaefer.....	Repairs.....	74 20	
	428	Wallace & Clark.....	Furniture.....	40 70	
	429	Nowlan & Westfall.....	Contingent.....	8 10	
	430	Ginn & Co.....	Training school supplies.....	8 10	
	431	Stewart & Moon.....	Supplies.....	16 95	
	432	Calvert Lith. and Eng. Co.....	Supplies.....	11 50	
	433	O. E. Thompson & Co.....	Supplies.....	9 65	
	434	J. L. Harlow.....	Repairs.....	100 00	
	435	August Moeller.....	Organ.....	25 00	
	436	Eberbach Drug and Chem. Co.....	Laboratory.....	3 13	
	437	Eberbach Drug and Chem. Co.....	Laboratory.....	37 06	
	438	Michigan School Moderator.....	Advertising.....	25 00	
	439	Harvey D. Vorhies.....	Visitors.....	54 35	
		Amount carried forward.....		\$8,491 88	\$54,352 23

## STATE BOARD OF EDUCATION.

## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	For what object.	Amounts.	Totals.
1894		Amount brought forward.....		\$8,491 88	\$54,852 28
June 26	440	Hilda Lodeman.....	Diplomas.....	88 50	
	441	C. C. Vroman.....	Extra labor.....	20 00	
	442	Frank Potter.....	Piano.....	28 00	
	443	Frank Smith.....	Supplies.....	44 30	
	444	Adolph B. Covert.....	Extra labor.....	12 70	
	445	W. M. Osband.....	Printing.....	14 55	
	446	H. D. Thompson.....	Biological laboratory.....	8 00	
	447	L. Smith.....	Laundry (gymnasium).....	3 60	
	448	Frank Smith.....	Supplies.....	27 79	
	449	R. G. Boone.....	Contingent.....	5 01	
	450	Coe & Smith.....	Printing.....	408 88	
	451	Solar Refining Co.....	Fuel.....	100 56	
	452	Pay roll for June.....	Salaries.....	4,908 66	
					14,103 43
1893.					\$68,955 66
Aug. 31		Transferred to library.....			600 00
Dec. 30		Transferred to library.....			100 00
Jan. 26		Transferred to library.....			300 00
Mar. 31		Transferred to library.....			600 00
June 26		Transferred to library.....			200 00
		Total credits to current expense for fiscal year.....			\$70,755 66
		Balance on hand to new account.....			2,001 88
					\$72,757 49
		Deduct transfers.....			1,800 00
		Total, less transfers.....			\$70,957 49

## II. ON ACCOUNT OF BUILDING AND SPECIAL PURPOSES.

## I. LIBRARY.

Date.	No. of voucher.	Payee.	Amounts.	Totals.
1893				
July 31	32 B	A. H. Raffe & Co.....	\$1 50	
	33 B	A. H. Webber.....	12 20	
	34 B	E. A. Strong.....	8 46	
	35 B	H. Williams.....	15 60	
	36 B	Eaton, Lyon & Co.....	68 55	
	37 B	F. J. Schleede.....	51 44	
	38 B	John McFarlane.....	5 75	
Sept. 25	39 B	E. Steiger & Co.....	6 91	
	40 B	A. H. Raffe & Co.....	2 50	
	41 B	George Wahr.....	1 75	
	42 B	Library Bureau.....	7 85	
	43 B	Boston Book Co.....	26 55	
	44 B	Sheehan & Co.....	1 75	
	45 B	F. J. Schleede.....	44 29	
	46 B	Eaton, Lyon & Co.....	12 20	
	47 B	Eaton, Lyon & Co.....	95 87	
Oct. 19	48 B	F. J. Schleede.....	1 40	
	49 B	Eaton, Lyon & Co.....	17 60	
	50 B	John McFarlane.....	5 00	
	51 B	The Boston Book Co.....	12 00	
	53 B	F. A. Brockhans.....	72 30	
	54 B	F. A. Brockhans.....	20 87	
Nov. 15	57 B	F. J. Schleede.....	5 80	
	58 B	D. Appleton & Co.....	14 00	
	59 B	Eaton, Lyon & Co.....	51 71	
	60 B	Wm. H. Guild.....	3 45	
		Amount carried forward.....	\$566 80	

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT D.—CONTINUED.

Date.	No. of voucher.	Payee.	Amounts.	Totals.
1893		Amount brought forward .....	\$566 30	
Nov. 15	61 B	Wm. H. Guild .....	9 50	
	62 B	John McFarlane .....	6 13	
	63 B	Eaton, Lyon & Co. ....	68 34	
Dec. 30	71 B	Eaton, Lyon & Co. ....	1 19	
	72 B	Eaton, Lyon & Co. ....	10 52	
	73 B	Eaton, Lyon & Co. ....	1 53	
	74 B	Register Publishing Co. ....	32 10	
	75 B	The Boston Book Co. ....	5 68	
	76 B	W. H. Lodemilk & Co. ....	2 12	
Jan. 26	77 B	The Boston Book Co. ....	24 00	
	78 B	John McFarlane .....	3 62	
	79 B	Eaton, Lyon & Co. ....	6 00	
	80 B	Eaton, Lyon & Co. ....	15 18	
	81 B	Bacon Brothers .....	27 00	
	82 B	Eaton, Lyon & Co. ....	9 06	
	83 B	Eaton, Lyon & Co. ....	19 80	
Mar. 31	84 B	A. H. Webber .....	157 50	
	91 B	Houghton, Mifflin & Co. ....	53 17	
	92 B	D. Appleton & Co. ....	10 00	
	93 B	G. P. Putnam's Sons .....	11 34	
	94 B	Harriet H. Goodison .....	103 00	
	100 B	A. C. McClurg & Co. ....	112 22	
	101 B	Eaton, Lyon & Co. ....	35 31	
	102 B	Eaton, Lyon & Co. ....	16 62	
	103 B	Eaton, Lyon & Co. ....	45 64	
Apr. 26	104 B	Healing & Spielinger .....	2 70	
	106 B	F. A. Brockhaus .....	25 00	
	107 B	F. A. Brockhaus .....	26 75	
	108 B	F. A. Brockhaus .....	23 00	
	109 B	F. A. Brockhaus .....	24 00	
	110 B	Eaton, Lyon & Co. ....	11 04	
	111 B	Eaton, Lyon & Co. ....	69 12	
	112 B	Eaton, Lyon & Co. ....	37 76	
	113 B	J. Richards .....	10 80	
	114 B	W. C. Stevens .....	5 00	
	115 B	Boston Book Co. ....	30 65	
	116 B	H. N. Patterson .....	1 50	
	117 B	Lucy A. Osband .....	2 61	
June 7	121 B	B. Westermann & Co. ....	65	
	122 B	Boston Book Co. ....	3 75	
	123 B	F. A. Brockhaus .....	18 65	
	124 B	F. A. Brockhaus .....	134 02	
	125 B	John McFarlane .....	8 68	
		Total credits for library .....		\$1,688 05
		Balance on hand .....		186 42
				\$1,874 47

## II. BUILDING.

Date.	No. of voucher.	Payee.	Amounts.	Totals.
1893				
Oct. 19	52 B	F. W. Glanfield .....	\$500 00	
Nov. 15	55 B	Geo. W. Kishler .....	75 00	
	56 B	F. W. Glanfield .....	2,000 00	
	64 B	F. W. Glanfield .....	3,000 00	
Dec. 30	65 B	F. W. Glanfield .....	2,000 00	
	66 B	F. W. Glanfield .....	1,500 00	
	67 B	F. W. Glanfield .....	1,000 00	
	68 B	F. W. Glanfield .....	1,000 00	
	69 B	Geo. W. Kishler .....	75 00	
	70 B	A. C. Varney & Co. ....	250 00	
		Amount carried forward .....		\$11,400 00

## STATE BOARD OF EDUCATION.

## EXHIBIT D.—CONCLUDED.

Date.	No. of voucher.	Payee.	Amounts.	Totals.
1893 Jan. 26		Amount brought forward .....		\$11,400 00
	85 B	F. W. Glanfield.....	\$1,500 00	
	86 B	Clayton, Lambert & Co.....	500 00	
	87 B	Clayton, Lambert & Co.....	500 00	
	88 B	F. W. Glanfield.....	300 00	
	89 B	A. C. Varney & Co.....	200 00	
	90 B	F. W. Glanfield.....	500 00	
	95 B	F. W. Glanfield.....	500 00	
	96 B	F. W. Glanfield.....	1,000 00	
	97 B	Clayton, Lambert & Co.....	800 00	
	98 B	F. W. Glanfield.....	800 00	
	99 B	A. C. Varney & Co.....	100 00	
	105 B	F. W. Glanfield.....	500 00	
	113 B	F. W. Glanfield.....	500 00	
	119 B	F. W. Glanfield.....	600 00	
		Total credits credits for building .....	\$19,700 00	
		Balance on hand .....	300 17	20,000 17
		Total for building and special purposes .....		\$21,874 64
		Current expenses.....		70,957 49
		Total for all purposes .....		\$92,832 13
		RECAPITULATION, OR.		
		Current expenses, 1892-93 .....	\$72,681 08	
		Current expenses, 1893-94 .....	70,957 49	
		Building and special purposes 1892-93 .....	9,144 41	
		Building and special purposes, 1893-94 .....	21,874 64	
		Total for all purposes for two years .....		\$174,657 62

## EXHIBIT E.

Salary Account, Dr., for fiscal year ended June 30, 1893.

Date.	Name.	Time.	Amounts.	Totals.
1893 June 30	J. M. B. Sill .....	Services for year .....	\$8,500 00	
	Daniel Putnam .....	" " " .....	2,500 00	
	F. H. Pease .....	" " " .....	2,000 00	
	D. E. Smith .....	" " " .....	2,000 00	
	A. Lodeman .....	" " " .....	2,000 00	
	A. George .....	" " " .....	2,000 00	
	E. A. Strang .....	" " " .....	2,000 00	
	F. A. Barbour .....	" " " .....	2,000 00	
	B. L. D'Ooge .....	" " " .....	2,000 00	
	Julia Anne King .....	" " " .....	1,750 00	
	W. H. Shenzer .....	" " " .....	1,500 00	
	Lacy A. Osband .....	" " " .....	1,000 00	
	Mary B. Putnam .....	" " " .....	800 00	
	Helen B. Muir .....	" " " .....	800 00	
	Lois McMahan .....	" " " .....	800 00	
	Abbie Pierce .....	" " " .....	800 00	
	Annie A. Polan .....	" " " .....	800 00	
	Ada A. Norton .....	" " " .....	800 00	
	Mande E. Cannell .....	" " " .....	800 00	
	Lillian Crawford .....	" " " .....	800 00	
	L. L. Jackson .....	" " " .....	800 00	
	H. W. Miller .....	" " " .....	800 00	
	W. F. Lewis .....	" " " .....	800 00	
	Amount carried forward .....			\$33,000 00

## REPORT OF THE TREASURER OF THE BOARD.

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## EXHIBIT E.—CONTINUED.

Date.	Name.	Time.	Amounts.	Totals.
1893	Amount brought forward.....		\$83,000 00	
June 30	Florence Shultes.....	Services for year.....	700 00	
	P. F. Trowbridge.....	9½ months.....	645 50	
	Chas. T. McFarlane.....	2½ ".....	337 50	
	Emma C. Ackerman.....	" ".....	800 00	
	K. Maude Cady.....	" ".....	800 00	
	Flora Wilber.....	" ".....	800 00	
	Winnie J. Robinson.....	" ".....	800 00	
	Ida Taylor.....	" ".....	800 00	
	Hattie M. Plunkett.....	" ".....	800 00	
	Mary J. Blount.....	" ".....	800 00	
	Maude Ball.....	" ".....	800 00	
	C. C. Vroman.....	" ".....	720 00	
	Frances L. Stewart.....	" ".....	870 00	
	Genevieve M. Walton.....	" ".....	500 00	
	Ernest P. Goodrich.....	6½ ".....	332 50	
	Francis R. Gorton.....	Services for year.....	400 00	
	James B. Armes.....	" " ".....	480 00	
	James A. Barley.....	" " ".....	420 00	
	John White.....	" " ".....	420 00	
	P. R. Cleary.....	" " ".....	250 00	
	Gertrude E. Woodard.....	" " ".....	250 00	
	Oscar Gareisen.....	" " ".....	200 00	
	Charles R. McKinley.....	8 months.....	16 00	
	Frank Goodrich.....	2 ".....	4 00	
	Perry F. Trowbridge.....	Extra salary.....	65 00	
	Mrs. L. B. Graham.....	2 months.....	100 00	
	John Goodison.....	2 ".....	400 00	
Total.....				\$44,752 50

Date.	No. of receipt.	Credits.	Amounts.	Totals.
1892-93				
Aug. 24	384	Pay roll for July.....	\$270 00	
Sept. 13	400	" " " August.....	270 00	
Oct. 23	423	" " " September.....	4,454 50	
	436	" " " October.....	4,542 00	
Dec. 29	480	" " " November.....	4,357 00	
	481	" " " December.....	4,367 00	
1893				
Feb. 3	1	" " " January.....	4,367 00	
23	43	" " " February.....	4,367 00	
April 13	62	" " " March.....	4,367 00	
May 4	66	" Perry F. Trowbridge.....	65 00	
10	81	" roll for April.....	4,392 00	
31	99	" " " May.....	4,467 00	
June 30	103	" " " June.....	4,467 00	
Total.....				\$44,752 50

## STATE BOARD OF EDUCATION.

## EXHIBIT F.

Salary account, Dr., for fiscal year ended June 30, 1894.

Date.	Name.	Time.	Amount.	Totals.
1894 June	R. G. Boone	Services for year	\$3,500 00	
	Daniel Putnam	" " "	2,500 00	
	F. F. Pease	" " "	2,000 00	
	D. E. Smith	" " "	2,000 00	
	A. Lodeman	" " "	2,000 00	
	A. George	" " "	2,000 00	
	E. A. Strang	" " "	2,000 00	
	F. A. Barbour	" " "	2,000 00	
	B. L. D'Ooge	" " "	2,000 00	
	J. A. King	" " "	2,000 00	
	W. H. Sherzer	" " "	1,800 00	
	C. T. McFarlane	" " "	1,500 00	
	Lucy A. Osband	" " "	1,000 00	
	Mary B. Putnam	" " "	800 00	
	L. L. Jackson	" " "	800 00	
	Ada A. Norton	" " "	800 00	
	Annie A. Paton	" " "	800 00	
	Maud E. Cannell	" " "	800 00	
	Lois A. McMahon	" " "	800 00	
	Abbie Pearce	" " "	800 00	
	H. W. Miller	" " "	800 00	
	Helen B. Muir	" " "	800 00	
	Florence Shultes	" " "	750 00	
	Emma C. Ackerman	" " "	700 00	
	Margaret Wise	" " "	800 00	
	Maud Ball	" " "	700 00	
	Hattie M. Plunkett	" " "	700 00	
	Clara L. Clark	" " "	700 00	
	Ida Taylor	" " "	700 00	
	Winnie J. Robinson	" " "	700 00	
	Flora Wilber	" " "	700 00	
	K. Mauda Cady	" " "	700 00	
	Fred R. Gorton	" " "	600 00	
	M. W. Wimer	" " "	600 00	
	Oscar Gareisen	" " "	500 00	
	P. R. Cleary	" " "	500 00	
	W. D. Cramer	" " "	400 00	
	Genevieve M. Walton	" " "	600 00	
	Francis L. Stewart	" " "	799 92	
	Gertrude E. Woodard	" " "	300 00	
	C. C. Vroman	" " "	720 00	
	J. B. Arms	" " "	360 00	
	Jas. A. Bailey	" " "	470 00	
	John White	" " "	470 00	
	Francis Goodrich	" " "	20 00	
	James B. Anderson	3½ months	150 00	
	Fannie C. Burton	2½ "	126 25	
	W. P. Bowen	2½ "	412 50	
	Hilda Lodeman	4½ "	225 00	
Total				\$47,903 67

Date.	No. of voucher.	Credits.	Amounts.	Totals.
1893				
Aug. 1	139	Pay roll for July	\$311 66	
31	149	" " " August	311 66	
Oct. 1	179	" " " September	4,648 66	
Nov. 15	202	" " " October	4,648 66	
Dec. 30	239	" " " November	4,648 66	
	240	" " " December	4,648 66	
1894				
Jan. 26	277	" " " January	4,648 66	
Mar. 1	303	" " " February	4,678 66	
Apr. 1	329	" " " March	4,728 66	
May 17	390	" " " April	4,827 41	
June 7	421	" " " May	4,903 66	
26	452	" " " June	4,903 66	
Total				\$47,903 67

## EXHIBIT G.

*STATE OF MICHIGAN, in account with David A. Hammond, treasurer of State Board of Education, for the fiscal year ending June 30, 1893.*

Credits.	Building.	Library.	Total of building, special, etc.	Current expenses.	Aggregate.	Aggregate, exclusive of balances and transfers.
	Abstract Bb.	Abstract Bb.		Abstract Aa.		
By balance (on hand).....	\$3,537 20	\$1,007 21	\$4,544 41	\$1,058 99	\$5,603 40	-----
cash from State treasury.....	4,000 00	-----	4,000 00	64,855 60	68,855 60	\$68,855 60
cash from earnings of institution.....	-----	-----	-----	7,001 70	7,001 70	7,001 70
cash from other sources.....	-----	-----	-----	364 79	364 79	364 79
transfer (between funds).....	-----	600 00	600 00	-----	600 00	-----
Total available during fiscal year ending June 30, 1893.....	\$7,537 20	\$1,607 21	\$9,144 41	\$73,281 08	\$82,425 49	\$76,222 09
Footings.....	\$7,537 20	\$1,607 21	\$9,144 41	\$73,281 08	\$82,425 49	\$76,222 09

Debits.	Abstract B.	Abstract B.		Abstract A.		
To disbursements (exclusive of loans paid).....	\$7,537 03	\$1,532 74	\$9,069 77	\$62,681 87	\$71,826 28	\$71,826 28
transfer (between funds) from current expense.....	-----	-----	-----	600 00	600 00	-----
Total debits during year ending June 30, 1894.....	\$7,537 03	\$1,532 74	\$9,069 77	\$63,281 87	\$72,351 64	\$71,826 28
To balance (on hand) to new acc't.....	17	74 47	74 64	9,999 21	10,073 85	-----
Footings.....	\$7,537 20	\$1,607 21	\$9,144 41	\$73,281 08	\$82,425 49	\$71,826 28



